



**US Environmental Protection Agency Office of  
Pesticide Programs**

**Science Advisory Council for  
Exposure(ExpoSAC) Policy 3**

**Revised January, 2017**

**U.S. EPA / Office of Pesticide Programs / Health Effects Division  
Science Advisory Council for Exposure (ExpoSAC)**

**Policy Number:** 3  
**Regarding:** Agricultural Transfer Coefficients  
**Effective Date(s):** January 2017  
**Contacts:** J. Dawson, M. Crowley, K. Lowe

**ISSUE**

This policy presents transfer coefficients (TC) for agricultural or commercial activities for use in post-application exposure assessments. ExpoSAC Policies 10 (*Personal Protective Equipment Use by Post-application Workers*) and 11 (*Mechanized Agricultural Practices and Post-application Exposure Assessments*) should be referenced, as they may influence certain post-application exposure assessments.

This policy reflects adoption of all Agricultural Reentry Exposure Task Force (ARTF) data as a result of a 1995 Data Call-In (DCI) – previous versions incorporated only data available at the time. The ARTF data and the development of transfer coefficients were reviewed in 2008 by the FIFRA SAP<sup>1</sup>. Use of the data in this policy requires compensation to the ARTF under FIFRA.

To facilitate version control and tracking, the following documents the progression of the ExpoSAC Policy 3, including a detailed accounting of edits/revisions/corrections.

Date	Documentation of Revisions
May 1998	<ul style="list-style-type: none"> <li>• Original policy version</li> </ul>
Aug 2000	<ul style="list-style-type: none"> <li>• Large-scale revision, incorporating available ARTF data</li> </ul>
May 2011	<ul style="list-style-type: none"> <li>• Large-scale revision, incorporating complete set of ARTF data</li> <li>• Revised list of crop/activity combinations</li> <li>• Published EPA webpage on occupational post-application pesticide exposure, including link to Policy 3 (<a href="https://www.epa.gov/pesticide-science-and-assessing-pesticide-risks/occupational-pesticide-post-application-exposure">https://www.epa.gov/pesticide-science-and-assessing-pesticide-risks/occupational-pesticide-post-application-exposure</a>)</li> </ul>
Jun 2011	<ul style="list-style-type: none"> <li>• Added companion TC Table spreadsheet to webpage</li> <li>• Typographical/editorial corrections               <ul style="list-style-type: none"> <li>○ Corrected “Regions 9-11” to “Regions 8-11” (page 5 of 119)</li> <li>○ TC for “Bean, dry and Pea, dry – LOW – FULL – Scouting” incorrectly assigned the SSr cluster (210 cm<sup>2</sup>/hr). Correction reflects appropriate assignment of SSr cluster (1100 cm<sup>2</sup>/hr).</li> </ul> </li> </ul>

<sup>1</sup> <https://www.regulations.gov/docketBrowser?rpp=50&po=0&D=EPA-HQ-OPP-2008-0673>

Date	Documentation of Revisions
Feb 2012	<ul style="list-style-type: none"> <li>• Typographical/editorial corrections in TC Table and spreadsheet <ul style="list-style-type: none"> <li>○ “Beets, garden” → “Beet, garden”</li> <li>○ “Hops” → “Hop”</li> <li>○ “Harvest” → “Harvesting”</li> <li>○ Corrected misspelling: “Irrigation” for Brussels Sprouts</li> <li>○ Corrected hyphen in the “Hop, Mechanically-assisted Harvesting” entry to match other hyphens for this activity</li> <li>○ Changed “Irrigation” listings to either “Irrigation (hand set)” or “Irrigation (non-hand set)” as appropriate</li> <li>○ “Beet, sugar Thinning (plants)” → “Beet, sugar Thinning Plants”</li> <li>○ Removed duplicate entries <ul style="list-style-type: none"> <li>▪ Corn, sweet, grain, Low, Min, Hand set Irrigation</li> <li>▪ Nectarine, Propping</li> <li>▪ Cut flowers, High, Full, Hand set Irrigation</li> <li>▪ Date, Hand pruning</li> <li>▪ Apple, Thinning</li> </ul> </li> <li>○ Changed “Nursery (Ornamentals, Non-bearing Plants)” to “Nursery/Greenhouse Crops (Ornamentals, Non-bearing Plants)” – except entry for “Irrigation (hand set)”</li> </ul> </li> <li>• Typographical/editorial corrections in policy text <ul style="list-style-type: none"> <li>○ Removed “this version” language from intro</li> <li>○ Added “Documentation of Revisions”</li> <li>○ Changed “affect” to “effect” in footnote 5.</li> </ul> </li> <li>• Substantive changes to TC Table and spreadsheet <ul style="list-style-type: none"> <li>○ Added row and applicable TC for “Golf Course, Maintenance, greens only” <ul style="list-style-type: none"> <li>▪ TC = 2500 cm<sup>2</sup>/hr – the arithmetic mean from ARF057, less the exposure monitoring for “fairway mowing” and “irrigation repair”</li> </ul> </li> <li>○ Added row/category and applicable TC(s) for “Forestry, Harvesting, Seedling Production” <ul style="list-style-type: none"> <li>▪ Assigned DH cluster (TC = 6700 cm<sup>2</sup>/hr)</li> </ul> </li> <li>○ Added “Grape, wine” and “Grape, table” <ul style="list-style-type: none"> <li>▪ “Grape, wine” assigned the same activities and TCs as “Grape, juice”</li> <li>▪ “Grape, table” assigned the same activities and TCs as “Grape, raisin” <ul style="list-style-type: none"> <li>• “Turning” and “Girdling” applies to “Grapes, Table” only, thus removed for “Grapes, Raisin”</li> </ul> </li> </ul> </li> </ul> </li> <li>• Substantive changes to policy text <ul style="list-style-type: none"> <li>○ Added default DFR and TTR estimates</li> </ul> </li> </ul>
July 2012	<ul style="list-style-type: none"> <li>• Included characterization of “initial residue as % of application rate” for solid formulations</li> <li>• On webpage, replaced “TC lookup spreadsheet” with exposure calculator that calculates dose, MOEs and REIs, and includes 40CFR180 tolerance crop grouping cross-walk <ul style="list-style-type: none"> <li>○ Greenhouse and Nursery Crop categories separated for clarity</li> </ul> </li> <li>• Edited residue data analysis section to provide more guidance to assessors on use of dissipation models</li> </ul>
March 2013	<ul style="list-style-type: none"> <li>• Residue analysis guidance revised to reflect use of daily average measurements for dissipation analysis, rather than the 3 replicates.</li> </ul>

Date	Documentation of Revisions
	<ul style="list-style-type: none"> <li>ARTF Cluster Sx revised to incorporate an additional sweet corn hand harvesting study recently submitted to EPA. The study was reviewed and accepted in March 2013 (EPA Review D403726). To note change by EPA, the Sx cluster was renamed “Sx (EPA)”, as was similarly done for EPA changes to ARTF-proposed clusters.</li> <li>“Walnut” changed to “Walnut, English”</li> <li>"Corn, sweet, grain" HIGH FULL Scouting corrected from "SSr" to "SSs"</li> <li>Changes to “Re-entry Exposure Calculator” (MS Excel spreadsheet) outlined in “Update Timeline” tab</li> </ul>
January 2017	<ul style="list-style-type: none"> <li>Changed transfer coefficient for harvesting hops based on the ARTF submission “Estimated Transfer Coefficient for Hops Harvest (MRID 49157401). The submission was reviewed and partially accepted in August 2015 (EPA Review D413084). The transfer coefficient changed from 19,300 cm<sup>2</sup>/hr (ARTF Cluster Tx) to 1,400 cm<sup>2</sup>/hr (ARTF Cluster THb).</li> <li>Added a “No TC” designation for Mechanical Harvesting of hops</li> <li>Added scenarios for “Grasses Grown for Seed” using the same activities and transfer coefficients as “Forage Crops”</li> <li>Corrected REI Calculator spreadsheet column headers for Crop Groups</li> <li>Included discussion of Dislodgeable Boll Residue (DBR) in Policy 3 document</li> <li>Revised cotton harvesting to include use of DBR and added DBR worksheet in REI Calculator</li> <li>Revised Policy 3 document to describe transferable residue generically in some instances instead of discussing specifically dislodgeable foliar residue</li> <li>Updated 40CFR180 tolerance crop grouping in REI calculator to incorporate recent updates/additions (crop groups 4-16, 5-16, 22, 23, 24)</li> <li>Corrected erroneous crop group assignments for celery and cauliflower</li> <li>Changes to REI Calculator outlined in “Update Timeline” tab</li> </ul>

## BACKGROUND

“Transfer coefficient” is a term used to describe the ratio of post-application worker exposure to the exposure time and the dislodgeable residue of the surface contacted by the worker. The derivation and use of transfer coefficients began following the development of a standardized foliar residue sampling methodology (Iwata, 1977). The relationship or correlation between field residues and exposure (the statistical and mathematical underpinning of transfer coefficients) was then investigated in the 1980s (USEPA, 1984; USEPA 1998, Pependorf et al, 1980; Pependorf et al, 1982; Zweig et al 1984; Zweig et al 1985). Conceptually, a transfer coefficient may be thought of as a ‘contact factor’ determining a worker’s exposure depending on how long they work, what activity they are doing, and how much residue is available for contact and transfer. Mathematically, this is expressed as follows:

$$TC \text{ for a given crop / activity } \left( \frac{\text{sq. cm}}{\text{hour}} \right) = \frac{\text{Dermal Exposure} \left( \frac{\text{mg}}{\text{day}} \right)}{\text{Time spent doing activity} \left( \frac{\text{hours}}{\text{day}} \right) * \text{Dislodgeable Foliar Residue} \left( \frac{\text{mg}}{\text{sq. cm}} \right)}$$

Via post-application worker exposure monitoring studies and concurrent dislodgeable residue

sampling, transfer coefficients can be determined for any given crop or, potentially, crop stage and activity combination (e.g., hand harvesting apples, scouting late season cotton).

Once established, transfer coefficients are used ‘generically’ to allow for estimation of exposure for any pesticide active ingredient (except volatile chemicals) using estimates for exposure time and the concentration of residue the workers will contact. For example, for a given chemical [X] proposed for use on apples, a worker exposure study specific for harvesting apples previously sprayed with chemical [X] is unnecessary. The established generic transfer coefficient assigned for “apple harvesting” allows for prediction of exposure to chemical [X] using estimates for the exposure time and expected foliar residue of chemical [X] on apples<sup>2</sup>. This process is considered a reasonable method for assessing exposure while saving the time and resources associated with conducting exposure studies for all proposed pesticide registrations and registration reviews. The general post-application exposure equation is as follows:

$$\text{Exposure (mg/day)} = [\text{Residue (mg/cm}^2\text{)} \times \text{TC (cm}^2\text{/hr)} \times \text{Hr/day}]^3$$

Because of U.S. agricultural diversity, it is impossible to conduct exposure studies for all possible crop/crop growth stage/activity combinations. The Agency has therefore adopted a method of clustering crops, crop growth stages, and post-application activities into groups that are expected to result in comparable exposure. These clusters are reflected in the exposure monitoring studies conducted by the Agricultural Reentry Task Force (ARTF)<sup>4</sup>. The choice of post-application activities studied by the ARTF as well as the subsequent assignment of transfer coefficients derived from these studies to non-monitored post-application activities was a joint effort by the ARTF and the Agency and reviewed by the FIFRA SAP in 2008. Materials presented at that meeting should be referenced for further information regarding the process of study selection, data analysis, and crop-activity groupings (see footnote 1).

Table 1 below presents a summary of all ARTF exposure monitoring studies as well as their organization and combination into clusters. Agency deviations and modifications of ARTF clusters are identified with an “(EPA)” notation.

<b>Table 1: Organization of ARTF Studies by Cluster</b>					
<b>ARTF Study</b>				<b>Proposed Cluster</b>	
<b>Code</b>	<b>EPA MRID</b>	<b>Crop</b>	<b>Activity</b>	<b>Code</b>	<b>Description</b>
ARF045	45480301	Cucumbers	Hand Harvesting	HH	Hairy-leaf field crops: hand harvesting and similar contact activities
ARF049	45491902	Summer Squash	Hand Harvesting		
ARF024	45005911	Tobacco	Hand harvesting	HHt	Hairy-leaf (Tobacco): hand

<sup>2</sup> Note that the transfer coefficients presented in this policy represent standard clothing worn by agricultural field workers: shoes, socks, long-legged pants, and long-sleeved shirts. ExpoSAC Policy 10 should be referenced regarding personal protective equipment (PPE) use by post-application workers.

<sup>3</sup> The “residue” factor in this equation is dislodgeable foliar residue (DFR) for most crops, turf transferable residue (TTR) in the case of sod or golf courses, or dislodgeable boll residue (DBR) for some activities related to cotton. Other non-foliar based residue (soil, branches, etc.) can also be used, but should coincide with appropriately-derived transfer coefficients.

<sup>4</sup> Information on the ARTF is available at: <http://www.exposuretf.com/Home/ARTF/tabid/57/Default.aspx>. Access requires a log-in and password.

<b>Table 1: Organization of ARTF Studies by Cluster</b>					
<b>ARTF Study</b>				<b>Proposed Cluster</b>	
<b>Code</b>	<b>EPA MRID</b>	<b>Crop</b>	<b>Activity</b>	<b>Code</b>	<b>Description</b>
					harvesting and canopy management
ARF022	45005909	Sunflowers	Scouting	HS	Hairy-leaf field crops: scouting and similar contact activities
ARF051	45530103	Tomato	Tying	SH	Smooth-leaf field crops: hand harvesting and tying
AR1001	43013003	Strawberry	Hand Harvesting		
AR1023	40966503	Tomato	Hand Harvesting		
AR1024	40966502	Strawberry	Hand Harvesting		
AR1025	42851302	Cotton	Scouting	SSr	Smooth-leaf field crops: scouting in row conditions
AR1027	42974501	Tomato	Scouting		
ARF009	45005904	Corn	Scouting	SSs	Smooth-leaf field crops: scouting in solid stand conditions
ARF021	45005908	Dry Pea	Scouting		
AR1006	42851302	Cotton	Hand weeding	SW	Smooth-leaf field crops: hand weeding, thinning, and similar contact activities
AR1018	42689103	Cotton	Hand weeding		
AR1019	42689104	Dry Pea	Hand weeding		
ARF010	45005905	Sweet Corn	Hand harvesting	Sx (EPA)	Smooth-leaf field crops: intense contact activities
AR1033	48866801	Sweet Corn	Hand harvesting		
ARF050	45530102	Cabbage	Hand harvesting	WIH	Waxy-leaf field crops, low height: hand harvesting and similar contact activities
AR1008	42974501	Cauliflower	Scouting	WIS	Waxy-leaf field crops, low height: scouting and similar contact activities
ARF011	45005906	Cauliflower	Scouting	Wm	Waxy-leaf field crops, medium height: all activities, plus full foliage weeding
ARF012	45005907	Cauliflower	Hand harvesting		
ARF037	45191701	Cabbage	Hand weeding		
ARF025	45138202	Apples	Hand Harvesting	OH (EPA)	Orchard crops: hand harvesting and similar contact activities
ARF028	45175101	Oranges	Hand Harvesting		
ARF041	45432301	Oranges	Hand Harvesting		
ARF042	45432302	Grapefruit	Hand Harvesting		
AR1002	42830002	Peaches	Hand Harvesting		
AR1014	40975308	Peaches	Hand Harvesting		
AR1021	40966501	Peaches	Hand Harvesting		
AR1003	42428101	Apples	Thinning	OT (EPA)	Orchard crops: thinning
AR1016	41848604	Almonds	Mechanical Harvesting	OHn	Orchard crops: mechanically harvesting nuts
ARF033	45175102	Olives	Hand Pruning	OP	Orchard crops: hand pruning, scouting, and similar contact activities
ARF047	45480302	Apples	Hand Pruning		
AR1017	43297602	Peaches	Propping	OW	Orchard crops: hand weeding and similar contact activities
ARF020	46405901	Blackberries	Hand harvesting	THb	Trellis crops: hand harvesting caneberries and similar contact activities
ARF048	45491901	Juice/Wine Grapes	Hand harvesting	THjg (EPA)	Trellis crops: hand harvesting juice/wine grapes and similar contact activities
AR1020	43223907	Table / Raisin Grapes	Hand harvesting	THrg (EPA)	Trellis crops: hand harvesting table/raisin grapes and similar

Table 1: Organization of ARTF Studies by Cluster					
ARTF Study				Proposed Cluster	
Code	EPA MRID	Crop	Activity	Code	Description
AR1022	40985601	Table / Raisin Grapes	Hand harvesting		contact activities
ARF023	45005910	Table / Raisin Grapes	Scouting	TP	Trellis crops: hand pruning, scouting, and similar contact activities
AR1015	40975304	Table / Raisin Grapes	Cane turning	Tx	Trellis crops: intense contact activities
ARF055	46789302	Solidasters, Snapdragons, Lillies	Hand Harvesting	GHf	Greenhouse and nursery floriculture hand harvesting: all flowers and methods
ARF020	45138201	Blackberries	Hand Harvesting	GHv	Greenhouse vegetables: hand harvesting and similar contact activities
ARF051	45530103	Tomatoes, fresh	Tying		
ARF039	45344501	Chrysanthemums	Pinching	GN	Greenhouse and nursery crops: all activities
ARF043	45469501	Nursery Stock Citrus Trees	Hand Pruning		
ARF044	45469502	Nursery Stock Citrus Trees	Hand Harvesting		
ARF036	45726301	Potatoes	Irrigation	I	Irrigation, any crop where hand line is possible
AR1004	42701601	Cotton	Mechanical Harvesting	CHp	Cotton, mechanical harvesting: picker operator and raker (based on boll residues)
				CHm	Cotton, mechanical harvesting: module builder operator (based on boll residues)
				CHt	Cotton, mechanical harvesting: tramper (based on boll residues)
ARF035	45432303	Sod	Mechanical Harvesting	DH	Sod: mechanical harvesting, scouting, transplanting, and hand weeding
ARF057	46734001	Golf Course Turf	Maintenance	DM	Golf courses: maintenance activities

## POLICY

### *Transferable Residue*

*[Dislodgeable Foliar Residue (DFR); Turf Transferable Residue (TTR); Dislodgeable Boll Residue (DBR)]*

A variety of physical, chemical, and biological factors determine the nature of pesticide residue transformation, dislodgeability and dissipation in treated fields. These factors include volatilization or evaporation, hydrolysis, oxidation, photolysis, and biodegradation. The relative importance of these mechanisms is dependent on the pesticide's structure and other factors such as site-specific weather conditions in crop growing areas. For some pesticides, one degradation mechanism will predominate, such as hydrolysis (e.g., captan) or photolysis (e.g., pyrethrin). For other pesticides, such as the organophosphorus insecticides, all of the above factors can influence their rate of dissipation and environmental transformation. Dissipation may also be

influenced by leaf expansion and plant growth, particularly during the early phases of plant development.

Transferable residues are conducted to determine the levels of pesticides that may be transferred to a worker as a result of contacting surfaces during their routine work that follows pesticide applications. In the case of field or orchard crops these studies are known as “dislodgeable foliar residue” (DFR) studies – as the worker contacts foliage during their work. For workers contacting turf, such as during golf course maintenance or on sod farms, “turf transferable residue” (TTR) studies are applicable. Finally, during cotton harvesting workers might contact residues on cotton bolls directly for which a “dislodgeable boll residue” (DBR) study would be useful. If a chemical-specific transferable residue study is available or conducted per requirement of 40 CFR Part 158.1070, the following study elements should be considered.

- **Use of typical end-use products:** Be sure to consider the range of formulations available for the active ingredient being assessed as data may be required for each formulation type. Historically, wettable powder (WP) formulations have been considered worst-case. Maximum rates should be used and applied at minimum dilution rates.
- **Geographic site selection considerations:** The study site(s) must be representative of the climatic conditions expected in the intended area(s) of the pesticide’s use. If fewer studies are desired or available, it is preferable that they be conducted in environments that have the potential to cause the greatest persistence (e.g., areas of low rainfall – less than 20 inches per year – in western states such as California), though this strategy may result in the need for longer Restricted Entry Intervals (REI). DFR studies conducted on greenhouse-grown vegetables or ornamentals are also considered worst-case, provided overhead irrigation is not used. UV light which can be reduced by the glass or plastics used in greenhouses can result in slower dissipation by photolysis for certain synthetic pyrethroids.

For guidance, EPA has established growing regions, outlined in the following table:

<b>Region/Zone</b>	<b>Location (example states, provinces)</b>
1 and 1a	Northeast (NY, NJ, Nova Scotia)
2	Southeast (AL, GA)
3	Florida
4	South central (MS, LA)
5, 5a and b	Midwest (MI, IA, Ontario, Quebec)
6	Western gulf (eastern TX and OK)
7 and 7a	Northern plains (western NE, ND,SD, Saskatchewan)
8	Southern plains (west TX)
9	Western basin (AZ, UT, CO, portions of western Alberta and eastern British Colombia)
10	Southwest (CA ~south of San Francisco and Mexico border areas of AZ and NM)
11	Northwest (ID, eastern OR and

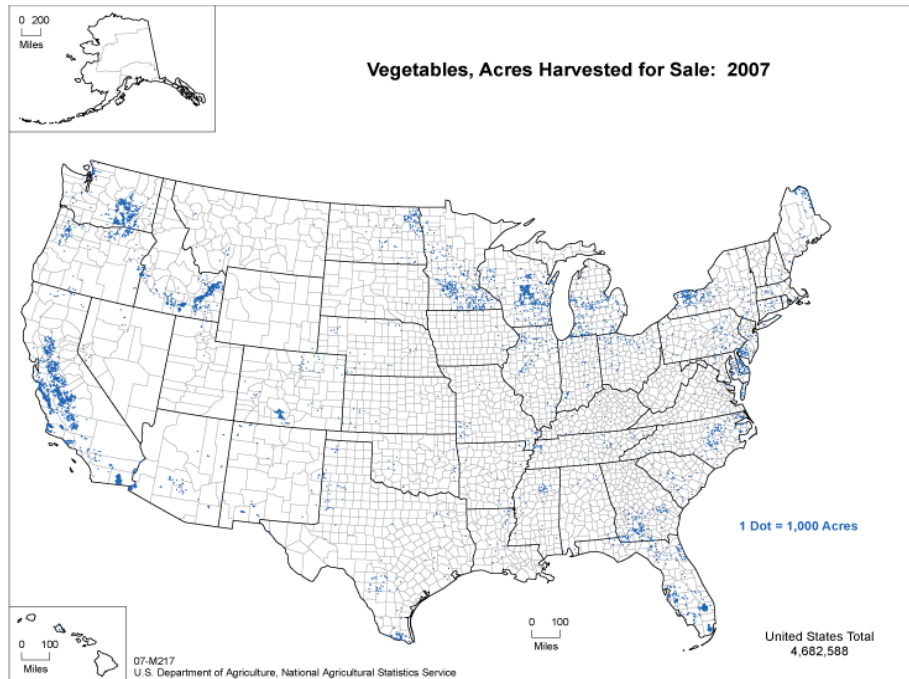


<b>Region/Zone</b>	<b>Location (example states, provinces)</b>
	WA)
12	Pacific coast (western OR, WA and British Columbia)
13	Hawaii
14	Canadian Prairie Provinces (Manitoba)

It is very unlikely that transferable residue studies will be available for all growing areas, however, there are natural climatic groups that can be considered to be similar. These are:

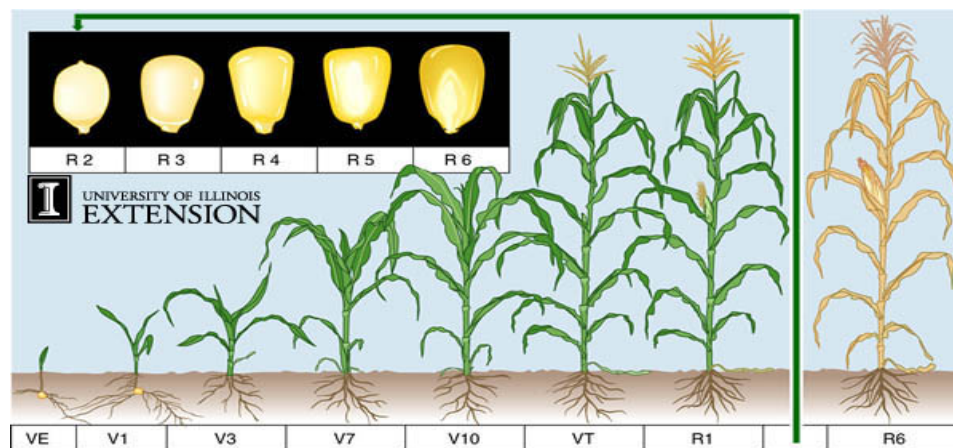
- Regions 1 – 6 and 13
  - Regions 7, 12 and 14
  - Regions 8 – 11
- Selection of representative crops: There is no set requirement for the number of DFR studies for a given pesticide active ingredient (ai). However, it is desirable that DFR studies be representative of the crop architectures of the registered uses. If for example a pesticide is labeled for orchard crops, trellis crops, and vegetable row crops, representative crops for DFR studies may include apples, blackberries and snap beans respectively. Other considerations include the identification of formulation and site/pest combinations that represent a pesticide’s major uses.

To identify representative growing areas commensurate with labeled uses, the following figure – showing major vegetable growing areas in the United States – from the USDA National Agricultural Statistical Service (NASS) is the type of information that can guide reviewers.



- Timing of applications:** A minimum of two applications are required prior to residue sample collection (unless only one application is labeled). The application regimen should match the expected use of the pesticide. The time between applications should be based on the minimum treatment interval, if any, stated on the label (e.g., use a 7 day interval when label directions state a 7 to 10 day interval between treatments). The timing of the applications should bracket the time frames when reentry activities are anticipated to occur, with a focus on the timeframes where higher exposure activities occur. Likewise, the transferable residue samples should be collected accordingly. Sampling intervals are generally shorter earlier in the study and may lengthen with later samples. Typical sampling intervals are 4 hours, 12 hours, 1, 3, 7, 14, 21, 28, 35 days after treatment (DAT).

Knowledge of crop development and the likelihood of potential reentry tasks are critical to the establishment of effective REIs. For example, various corn crop growth stage (depicted in the figure below) may impact the timing of insecticide applications prior to detasseling.



- Calculations and Presentation of Results:** For DFR studies, leaf samples are gathered with a mechanical leaf punch device (e.g., Birkestrand) that can remove leaf discs of a known diameter (i.e., one inch diameter = 2.54 cm; equal to 5 cm<sup>2</sup> per disc). Ideally, triplicate samples are collected from a given study site for each DAT interval. A minimum of 40, one inch diameter samples (equal to ~200 cm<sup>2</sup> single-side, or 400 cm<sup>2</sup> double-sided) should be collected per replicate in the manner described by Iwata et al., 1977. If a smaller punch diameter is required to accommodate smaller leaf sizes, the number of punches must be adjusted accordingly to maintain the same approximate total leaf surface area (i.e., 200/400 cm<sup>2</sup>). Some crops do not lend themselves to the use of a leaf punch (e.g., some ornamentals and conifers). Determinations of leaf sample surface areas should be addressed on a case by case basis.

Conceptually, study investigators have considered that the residues washed from the leaves were removed from either one side or both sides of the leaf punch discs. This is an important study detail for reviewers to check because this impacts concentration estimates (e.g., µg/cm<sup>2</sup>). That is because the investigator would have calculated the DFRs by dividing the residues (µg) measured in the dislodging solution by 200 or 400 cm<sup>2</sup> for single-sided or double-sided surfaces respectively. Transfer coefficients developed for this policy are based on two-sided DFR measurements. Thus, the use of single-sided residues will result in overestimates of exposure (2X). Note: most studies conducted after 1995 are based on double-sided leaves. Reviews are cautioned to determine how residues were expressed (i.e., single-sided or double-sided) in studies conducted before 1995.

Though replicate samples (3, 40-punch composites) are conducted on each day, arithmetic mean DFRs should be used for a regression analysis to determine the nature of residue dissipation. This is because the intent of DFR sampling is to establish a spatial average of the residue in the area in which the individual is working. Initially, samples from different study locations should not be combined (e.g., combining DFR studies conducted in California and Florida or even within a state). Typically, all data (i.e., each study site) should be considered in an assessment or, at a minimum, discussed in terms of a representative dataset used for quantitative purposes (usually that site providing the highest risk estimates).

When a set of DFR samples for a given DAT interval (e.g., day 21, post-application) has a mixture of both detected and non-detected residues, substitute one-half the limit of detection (LOD) for any sample with no detected residues. For consecutive sampling days resulting in non-detected residues, only one day should be used – the second of the consecutive days should be excluded from the analysis.

DFR dissipation is commonly approximated by pseudo-first order decay – that is, a reduction in concentration over time due to a variety of degradation processes such as those mentioned above. Log-transformed DFR data are subjected to linear regression to define the (negative) slope and intercept. Predicted values are then calculated using a standard exponential decay equation as follows:

$$DFR_t = DFR_0 * e^{-kt}$$

Where:

DFR <sub>t</sub>	=	DFR at DAT for a given time period (t)
DFR <sub>0</sub>	=	DFR at DAT 0
t	=	Day after treatment
e	=	2.71828
k	=	Slope of the dissipation curve

Assessors are directed to utilize both the predicted values from the log-linear first order model as well as the actual measured values for specific time points. If no risks of concern are identified using this approach, then a more thorough evaluation of the log-linear fit is unnecessary. However, it is possible that more than one dissipation mechanism is impacting the degradation of a pesticide. There may be a rapid volatilization phase followed by a slower hydrolysis phase. For these phenomena there are techniques for conducting nonlinear curve fits such as the log-quadratic model or the use of multiple functions to describe the decay process. In these situations, where the assessor needs to re-evaluate the log-linear first order model, it is advisable that the reviewer consult a statistician.

Turf transferable residue (TTR) or dislodgeable boll residue (DBR) studies should generally follow the guidance described above for DFR studies.

If chemical-specific DFR, TTR, or DBR data are unavailable, then default estimates should be used based on the chemical's application rate. For DFR, the recommended default is 25% of the application rate (expressed as mass active ingredient per foliar surface area; e.g., mg ai/cm<sup>2</sup>) for both liquid and solid formulations. For TTR, the recommended default is 1% of the application rate (expressed as mass active ingredient per turf surface area; e.g., mg ai/cm<sup>2</sup>) for liquid formulations and 0.2% for solid formulations.<sup>5</sup>

---

<sup>5</sup> Analysis for these defaults is presented in EPA's Standard Operating Procedures for Residential Pesticide Exposure Assessment ("Residential SOPs"): <https://www.epa.gov/pesticide-science-and-assessing-pesticide-risks/standard-operating-procedures-residential-pesticide>

For DBR, the recommended default value is 2 – expressed not as a percentage of the application rate, but, similarly, as a coefficient of the application rate, with units “ug ai/gm cotton boll per lb ai/acre”<sup>6</sup>. Applied generically, an application rate in units lb ai/acre should be multiplied by 2 resulting in a day-of-application cotton boll residue estimate in units ug ai/gm cotton boll.

### Choosing Transfer Coefficients

The *Transfer Coefficient Table* attached to this policy lists crop-activity combinations and their assigned transfer coefficients using the clusters outlined in Table 1. For the purposes of post-application exposure assessment, arithmetic mean transfer coefficients are recommended for short-, intermediate-, and long-term (i.e., chronic or cancer) assessments.<sup>7</sup> Its combination with the default inputs in the standard post-application exposure algorithm (e.g., dislodgeable residue based on the maximum application rate and high-end exposure time) is expected to result in reasonably conservative exposure results. Deviation from standard inputs is possible with adequate justification.

Table 2 below is provided as an index to aid in looking up crops in the Transfer Coefficient Table. The groups in Table 2 are predominately based on the growth form and architecture of the crop and the general methods used in the production of individual crops. For example, the fruit trees cultivated in the United States have been divided into two groups (“deciduous” and “evergreen”). It is important to note that these groups are distinct from the crop groups used for tolerance-setting purposes. The U.S. EPA crop definition scheme of food groups as they relate to tolerances would place the two fruit tree groups described above into at least three defined crop-groupings (citrus, pome, and stone fruit) and several undefined groups of tropical and subtropical fruit trees (e.g., avocado, dates, figs, mango).

<b>Transfer Coefficient Groups</b>	<b>Typical Crops</b>
Berry, low	Blueberries (lowbush), cranberries, strawberries
Bunch / bundle	Bananas, hops, tobacco
Field / row crops, low / medium	Alfalfa, barley, beans (string and dry), rape (canola), chick peas, cotton, flax, forage plants, grasses, mint, peanuts, peas (green and dry), rice, safflower, soybeans, sugar beets, wheat (spring and winter)
Field / row crops, tall	Corn (all types), sorghum, sunflowers
Flowers, cut	Floriculture crops

<sup>6</sup> Residue analysis from “Evaluation of Worker Exposure to Tribufos During Harvesting of Cotton Treated with DEF 6” (AR1004) (EPA MRID 42701601) demonstrated the ratio of cotton boll residue on the day-of-application (ug ai/gm cotton boll) to the application rate (lb ai/acre) as approximately 2. Day-of-application measured cotton boll residue (groundboom application in California) = 3.91 ug ai/gm cotton boll following an application rate of 1.875 lb ai/acre.  $3.91 \text{ ug ai/gm cotton boll} \div 1.875 \text{ lb ai/acre} \approx 2 \text{ ug ai/gm cotton boll per lb ai/acre}$ .

<sup>7</sup> Unless otherwise specified in the study reviews, the arithmetic mean is calculated as the simple average of the transfer coefficients in the studies within each cluster. HED notes that proper calculations of statistics from the transfer coefficient studies should account for potential correlations in the dataset (e.g., within-worker, between day, etc.) by using hierarchical modeling. Based on analyses done by the ARTF, it does not appear that such potential correlations would have a significant effect on select statistics (Bruce, E., et al. 2006). However, the Agency has yet to attempt to replicate these results or attempt its own alternative hierarchical modeling. Future revisions to this policy and the Transfer Coefficient Table may provide additional detail on this matter.

Sugarcane	Sugarcane
Trees, fruit, deciduous	Apples, apricots, cherry, figs, nectarines, peaches, pears, pomegranates, plums, prunes
Trees, fruit, evergreen	Avocados, Christmas trees, dates, grapefruit, lemons, mangos, oranges, papaya
Tree, "nut"	Almonds, hazelnuts, macadamia nuts, olives, pecans, pistachios, walnuts
Turf / sod	Golf courses, sod
Unassigned	Forestry, greenhouse vegetables, nursery crops
Vegetable, "root"	Beets (table/garden), carrots, onions (dry and green), potatoes, sweet potatoes, turnips
Vegetable, cucurbit	Cantaloupe, cucumbers, squash (summer and winter), watermelon, gourds, pumpkin, zucchini
Vegetable, fruiting	Eggplant, peppers (bell and chili), tomatoes (fresh and processed), okra
Vegetable, head and stem Brassica	Broccoli, Brussels sprouts, cabbage, cauliflower
Vegetable, leafy	Celery, collards, greens (leafy), kale, lettuce, parsley, spinach, Bok choy, mustard greens, Swiss chard, watercress, herbs (low and medium), Chinese cabbage (Napa)
Vegetable, stem/stalk	Artichoke, asparagus, pineapple
Vine/ trellis	Blackberries, blueberries (highbush), grapes (juice, table, raisin, wine), kiwifruit, raspberries

Exposure assessors should use the data in this policy in the following manner:

- Identify appropriate transfer coefficient group (use Table 2 as an index) and crop in the attached Transfer Coefficient Table. If the crop being assessed is not listed, it can be assigned to a transfer coefficient group based on a crop in a similar tolerance group (see 40 CFR Part 180) or assessors can consult with OPP crop experts.

Exposure for crop-activity combinations in the Transfer Coefficient Table with the note *See "Alternate TC Method" Guidance* should be assessed using the *Guidance on Crop-Activity Combinations Utilizing an Alternate TC Method* below.

- Consider the timing of the application of the pesticide relative to the crop growth stage (foliage development), the dissipation of the pesticide and its metabolites of concern, and the cultural activities typically occurring in each crop being considered. It may be the case that, though the crop-activity combination is listed in the Transfer Coefficient Table, based on the timing of the pesticide application, residue dissipation, or other factors, post-application worker exposure to residues of that pesticide during that activity are not expected.
- Selection of an appropriate activity (usually the activity with the highest transfer coefficient) for the crop can be used as a "screening-level" post-application exposure and risk assessment. This TC should be used to calculate exposure for each day after application until the target Margin of Exposure (MOE) is reached (refer to exposure calculation in Background section). Assessments for other critical activities may be calculated to give the risk manager information relating to potential exemptions to the restricted entry interval.

## Guidance on Crop-Activity Combinations Utilizing an Alternate TC Method

Unlike the vast majority of crop-activity combinations in the Transfer Coefficient Table, some common agricultural activities do not follow the standard “foliar-based” transfer coefficient methodology. This should not be interpreted to mean that there is no potential exposure from these activities but rather that “foliar-based” transfer coefficients are not applicable to evaluate worker exposure. These are activities where exposure results from contacting non-foliar surfaces such as soil, branches, stems, roots, etc. The attached *Non-Foliar Transfer Coefficient Table* provides guidance. In some cases, available non-foliar-based transfer coefficients are shown, in others, alternative guidance is provided. The table includes the following crop-activity combinations:

- Cotton // Mechanical Harvesting
- Orchard Trees // Dormant Hand Pruning
- Nut Trees // Mechanical Windrowing / Mechanical Sweeping / Dormant Hand Pruning
- Potatoes // Harvesting
- Sweet Potatoes // Harvesting
- Onions // Harvesting

## ANTICIPATED FUTURE UPDATES/REVISIONS

The information in this policy is subject to revision based on new information or changes in assessment policy. It is the intention of HED’s Science Advisory Council for Exposure that this policy will be periodically updated to:

- Incorporate, and assign transfer coefficients to additional crops and/or activities. As of March 2013 this has largely been completed. The assignment of additional crops can be found within the “Re-entry Exposure Calculator” Microsoft Excel spreadsheet (“Additional Crop Match” tab) attached on the EPA webpage where Policy 3 is found.<sup>8</sup>
- Change transfer coefficients or transfer coefficient groupings if provided with supporting data or other information.
- Add narratives detailing characteristics of post-application activities such as activity descriptions and timing of post-application tasks relative to crop growth. Such descriptions should aid exposure assessors in determining whether certain crop-activity combinations should be included in their assessment based on the pesticide under consideration.
- Alter transfer coefficients if supported by more robust statistical analysis (see footnote 3).
- Utilize an alternative crop grouping mechanism to aid both data organization and exposure assessments.
- Address adjustments to measurements of hand exposure due to potential residue collection inefficiencies. Such adjustments are currently under discussion and would be applicable to all occupational exposure data.

---

<sup>8</sup> <https://www.epa.gov/pesticide-science-and-assessing-pesticide-risks/occupational-pesticide-post-application-exposure>

- Further establish guidance on non-foliar based transfer coefficients.
- Incorporate guidance and methods to assess post-application inhalation exposure.
- Incorporate guidance on alternative residue dissipation models.
- Provide methodology for crop-to-crop residue data translation when chemical-specific residue data needs to be assigned to multiple crops.

## REFERENCES

Bruce, E., Holden, L. and Korpalski, S., (2006), Reissued Report: Agricultural Reentry Task Force Transfer Coefficient Database: A Summary of its Development and Use, ARTF LLC, January 13, 2006. (MRID 46734002)

Iwata, Y.; Knaak, J.B.; Spear, R.C.; Foster, R.J. (1977). Worker Reentry into Pesticide Treated Crops. Procedure For The Determination of Dislodgeable Residues on Foliage, Bull. Environ. Contam. Toxicol. 18:649-655.

Popendorf, W (1980) Exploring Citrus Harvesters' Exposure To Pesticide Contaminated Foliar Dust, Am. Industr. Hygiene Assoc. J. 41:652-659.

Popendorf, W.J. and J.T. Leffingwell (1982) Regulating OP Pesticide Residues For Farmworker Protection, Residue Reviews 82: 125-201.

U.S. EPA (1984). Pesticide Assessment Guidelines, Subdivision K – Exposure: Reentry Protection [NTIS Document Number PB85-120962]

U.S. EPA (1998a). Draft Series 875 – Occupational and Residential Exposure Test Guidelines, Group B – Post-application Exposure Monitoring Test Guidelines - available at <http://www.epa.gov/scipoly/sap/1998/march/contents.htm>

Zweig, G., Gao, R.-Y., Witt, J.M., Popendorf, W. and Bogen. K. (1984). Dermal exposure to carbaryl by strawberry harvesters. Journal of Agricultural and Food Chemistry 32:1232-1236.

Zweig, G., Leffingwell, J.T. and Popendorf, W. (1985). The relationship between dermal pesticide exposure by fruit harvesters and dislodgeable foliar residues. Journal of Environmental Science and Health B20:27-59.



Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Berry, low	Blueberry, lowbush	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Berry, low	Blueberry, lowbush	LOW	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Berry, low	Blueberry, lowbush	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Berry, low	Blueberry, lowbush	LOW	FULL	Harvesting, Mechanical	0	No TC				
Berry, low	Blueberry, lowbush	LOW	FULL	Weeding, Mechanical	0	No TC				
Berry, low	Blueberry, lowbush	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Berry, low	Blueberry, lowbush	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Berry, low	Blueberry, lowbush	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Berry, low	Blueberry, lowbush	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	42554801
Berry, low	Blueberry, lowbush	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Berry, low	Cranberry	LOW	FULL	Harvesting, Hand (raking)	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							ARF051	Tomato, Fresh	Tying	45530103
Berry, low	Cranberry	LOW	FULL	Pruning, Hand (shears)	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Berry, low	Cranberry	LOW	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Berry, low	Cranberry	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Berry, low	Cranberry	LOW	FULL	Ditching	0	No TC				
Berry, low	Cranberry	LOW	FULL	Frost Control	0	No TC				
Berry, low	Cranberry	LOW	FULL	Sanding	0	No TC				
Berry, low	Cranberry	LOW	FULL	Weeding, Mechanical	0	No TC				
Berry, low	Cranberry	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Berry, low	Cranberry	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Berry, low	Cranberry	LOW	FULL	Harvesting, Mechanical (Flood)	0	No TC				
Berry, low	Strawberry	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Berry, low	Strawberry	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Berry, low	Strawberry	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Berry, low	Strawberry	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Berry, low	Strawberry	LOW	FULL	Weeding, Mechanical	0	No TC				
Berry, low	Strawberry	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Berry, low	Strawberry	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Berry, low	Strawberry	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Berry, low	Strawberry	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Berry, low	Strawberry	LOW	FULL	Canopy Management	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Bunch / bundle	Banana	HIGH	FULL	Weeding, Mechanical	0	No TC				
Bunch / bundle	Banana	LOW	FULL	Weeding, Mechanical	0	No TC				
Bunch / bundle	Banana	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Bunch / bundle	Banana	LOW	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Bunch / bundle	Banana	HIGH	FULL	Harvesting, Hand	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Bunch / bundle	Banana	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Bunch / bundle	Banana	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Bunch / bundle	Hop	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	42554801
Bunch / bundle	Hop	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Bunch / bundle	Hop	HIGH	FULL	Weeding, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Bunch / bundle	Hop	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Bunch / bundle	Hop	HIGH	FULL	Harvesting, Mechanically-assisted	1400	THb	ARF020	Blackberries	Hand Harvesting	46405901
Bunch / bundle	Hop	HIGH	FULL	Stripping	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Bunch / bundle	Hop	HIGH	FULL	Scouting	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Bunch / bundle	Hop	HIGH	FULL	Weeding, Mechanical	0	No TC				
Bunch / bundle	Hop	HIGH	MIN	Scouting	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Bunch / bundle	Hop	HIGH	MIN	Weeding, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Bunch / bundle	Hop	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Bunch / bundle	Hop	HIGH	FULL	Discing	0	No TC				
Bunch / bundle	Hop	LOW	MIN	Ditching	0	No TC				
Bunch / bundle	Hop	HIGH	FULL	Ditching	0	No TC				
Bunch / bundle	Hop	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Bunch / bundle	Hop	LOW	MIN	Weeding, Mechanical	0	No TC				
Bunch / bundle	Hop	LOW	MIN	Scouting	640	TP	ARF023	Table/Raisin Grapes	Scouting	45005910
Bunch / bundle	Hop	LOW	MIN	Tying/Training	640	TP	ARF024	Table/Raisin Grapes	Scouting	45005910
Bunch / bundle	Hop	HIGH	MIN	Tying/Training	640	TP	ARF025	Table/Raisin Grapes	Scouting	45005910
Bunch / bundle	Tobacco	HIGH	FULL	Harvesting, Hand	800	HHt	ARF024	Tobacco	Hand Harvesting	45005911
Bunch / bundle	Tobacco	HIGH	FULL	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Bunch / bundle	Tobacco	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Bunch / bundle	Tobacco	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Bunch / bundle	Tobacco	HIGH	FULL	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Bunch / bundle	Tobacco	LOW	FULL	Scouting	90	HS	ARF023	Sunflower	Scouting	45005909
Bunch / bundle	Tobacco	HIGH	FULL	Weeding, Mechanical	0	No TC				
Bunch / bundle	Tobacco	LOW	FULL	Weeding, Mechanical	0	No TC				
Bunch / bundle	Tobacco	HIGH	FULL	Harvesting, Mechanically-assisted	800	HHt	ARF024	Tobacco	Hand Harvesting	45005911
Bunch / bundle	Tobacco	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Bunch / bundle	Tobacco	LOW	MIN	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Bunch / bundle	Tobacco	LOW	MIN	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Bunch / bundle	Tobacco	LOW	MIN	Weeding, Mechanical	0	No TC				
Bunch / bundle	Tobacco	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Bunch / bundle	Tobacco	HIGH	FULL	Canopy Management	800	HHt	ARF024	Tobacco	Hand Harvesting	45005911
Bunch / bundle	Tobacco	LOW	FULL	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Bunch / bundle	Tobacco	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Bunch / bundle	Tobacco	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, low / medium	Alfalfa	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, low / medium	Alfalfa	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Alfalfa	LOW	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Alfalfa	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Alfalfa	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, low / medium	Alfalfa	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Alfalfa	LOW	MIN	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Alfalfa	LOW	FULL	Fertilizing	0	No TC				
Field / row crop, low / medium	Alfalfa	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Barley	LOW	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Barley	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Barley	LOW	FULL	Swathing, Mechanical	0	No TC				

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Field / row crop, low / medium	Barley	LOW	MIN	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Barley	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Barley	LOW	FULL	Baling Straw	0	No TC				
Field / row crop, low / medium	Beans, snap	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, low / medium	Beans, snap	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Beans, snap	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Field / row crop, low / medium	Beans, snap	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, low / medium	Beans, snap	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Field / row crop, low / medium	Beans, snap	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Beans, snap	LOW	FULL	Weeding, Mechanical	0	No TC				
Field / row crop, low / medium	Beans, snap	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Field / row crop, low / medium	Beans, snap	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, low / medium	Beans, snap	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Beans, snap	LOW	FULL	Fertilizing	0	No TC				

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Field / row crop, low / medium	Bean, dry and Pea, dry	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, low / medium	Bean, dry and Pea, dry	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Bean, dry and Pea, dry	LOW	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Bean, dry and Pea, dry	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Bean, dry and Pea, dry	LOW	FULL	Swathing, Mechanical	0	No TC				
Field / row crop, low / medium	Bean, dry and Pea, dry	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, low / medium	Bean, dry and Pea, dry	LOW	MIN	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Bean, dry and Pea, dry	LOW	MIN	Weeding, Mechanical	0	No TC				
Field / row crop, low / medium	Bean, dry and Pea, dry	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, low / medium	Bean, dry and Pea, dry	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Bean, dry and Pea, dry	LOW	MIN	Fertilizing	0	No TC				
Field / row crop, low / medium	Bean, dry and Pea, dry	HIGH	FULL	Fertilizing	0	No TC				
Field / row crop, low / medium	Bean, dry and Pea, dry	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Bean, dry and Pea, dry	HIGH	FULL	Knifing, Mechanical	0	No TC				
Field / row crop, low / medium	Bean, dry and Pea, dry	HIGH	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Canola	HIGH	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Canola	HIGH	FULL	Harvesting, Mechanical	0	No TC				



**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Field / row crop, low / medium	Canola	LOW	MIN	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Canola	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Canola	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Chickpea	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, low / medium	Chickpea	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Chickpea	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, low / medium	Chickpea	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Chickpea	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, low / medium	Chickpea	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Chickpea	LOW	MIN	Fertilizing	0	No TC				
Field / row crop, low / medium	Chickpea	HIGH	FULL	Fertilizing	0	No TC				
Field / row crop, low / medium	Chickpea	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Chickpea	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Chickpea	HIGH	FULL	Knifing, Mechanical	0	No TC				
Field / row crop, low / medium	Chickpea	LOW	FULL	Swathing, Mechanical	0	No TC				
Field / row crop, low / medium	Chickpea	LOW	MIN	Weeding, Mechanical	0	No TC				
Field / row crop, low / medium	Chickpea	LOW	FULL	Weeding, Mechanical	0	No TC				
Field / row crop, low / medium	Chickpea	LOW	MIN	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low /	Chickpea	LOW	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
medium							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Chickpea	HIGH	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Chickpea	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, low / medium	Cotton	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Cotton	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Field / row crop, low / medium	Cotton	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, low / medium	Cotton	LOW	FULL	Weeding, Mechanical	0	No TC				
Field / row crop, low / medium	Cotton	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Cotton	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, low / medium	Cotton	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Field / row crop, low / medium	Cotton	LOW	MIN	Weeding, Mechanical	0	No TC				
Field / row crop, low / medium	Cotton	LOW	MIN	Harvesting, Mechanical, Module Builder Operator	See "Alternate TC Method" Guidance					

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Field / row crop, low / medium	Cotton	LOW	MIN	Harvesting, Mechanical, Picker Operator	See "Alternate TC Method" Guidance					
Field / row crop, low / medium	Cotton	LOW	MIN	Harvesting, Mechanical, Raker	See "Alternate TC Method" Guidance					
Field / row crop, low / medium	Cotton	LOW	MIN	Harvesting, Mechanical, Trampler	See "Alternate TC Method" Guidance					
Field / row crop, low / medium	Flax	LOW	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Flax	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Flax	LOW	MIN	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Flax	LOW	MIN	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Grasses Grown for Seed	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, low / medium	Grasses Grown for Seed	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Grasses Grown for Seed	LOW	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Grasses Grown for Seed	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Grasses Grown for Seed	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Grasses Grown for Seed	LOW	MIN	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Grasses Grown for Seed	LOW	FULL	Fertilizing	0	No TC				

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Field / row crop, low / medium	Forage Crop	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, low / medium	Forage Crop	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Forage Crop	LOW	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Forage Crop	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Forage Crop	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Forage Crop	LOW	MIN	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Forage Crop	LOW	FULL	Fertilizing	0	No TC				
Field / row crop, low / medium	Mint	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, low / medium	Mint	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Mint	LOW	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Mint	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, low / medium	Mint	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Mint	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, low / medium	Mint	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Mint	LOW	MIN	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Field / row crop, low / medium	Mint	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, low / medium	Mint	LOW	MIN	Transplanting	0	No TC				
Field / row crop, low / medium	Peanut	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, low / medium	Peanut	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Peanut	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	
							AR1027	Tomato, Fresh	Scouting	
Field / row crop, low / medium	Peanut	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, low / medium	Peanut	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Peanut	LOW	FULL	Weeding, Mechanical	0	No TC				
Field / row crop, low / medium	Peanut	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, low / medium	Peanut	LOW	FULL	Digging, Mechanical	0	No TC				
Field / row crop, low / medium	Pea, green	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, low / medium	Pea, green	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Pea, green	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Field / row crop, low /	Pea, green	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
medium							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, low / medium	Pea, green	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Field / row crop, low / medium	Pea, green	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Pea, green	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Field / row crop, low / medium	Pea, green	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, low / medium	Pea, green	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, low / medium	Pea, green	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Pea, green	LOW	FULL	Fertilizing	0	No TC				
Field / row crop, low / medium	Pea, green	LOW	FULL	Weeding, Mechanical	0	No TC				
Field / row crop, low / medium	Rice	LOW	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Rice	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Rice	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Field / row crop, low / medium	Rice	LOW	MIN	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Rice	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Rice	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Safflower	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, low / medium	Safflower	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Safflower	LOW	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Safflower	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Safflower	LOW	MIN	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Safflower	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, low / medium	Safflower	LOW	MIN	Weeding, Mechanical	0	No TC				
Field / row crop, low / medium	Soybean	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Soybean	LOW	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Soybean	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Field / row crop, low / medium	Soybean	LOW	MIN	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Soybean	LOW	MIN	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Soybean	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Soybean	LOW	FULL	Weeding, Mechanical	0	No TC				
Field / row crop, low / medium	Beet, sugar	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Beet, sugar	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Field / row crop, low / medium	Beet, sugar	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, low / medium	Beet, sugar	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Beet, sugar	LOW	FULL	Weeding, Mechanical	0	No TC				
Field / row crop, low / medium	Beet, sugar	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Field / row crop, low / medium	Beet, sugar	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Beet, sugar	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Field / row crop, low / medium	Beet, sugar	LOW	MIN	Thinning (plants)	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103



**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, low / medium	Beet, sugar	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, low / medium	Beet, sugar	LOW	MIN	Weeding, Mechanical	0	No TC				
Field / row crop, low / medium	Wheat, spring	LOW	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Wheat, spring	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Wheat, spring	LOW	FULL	Swathing, Mechanical	0	No TC				
Field / row crop, low / medium	Wheat, spring	LOW	MIN	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Wheat, spring	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Wheat, spring	LOW	FULL	Baling Straw	0	No TC				
Field / row crop, low / medium	Wheat, spring	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, low / medium	Wheat, spring	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, low / medium	Wheat, winter	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, low /	Wheat, winter	LOW	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
medium							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Wheat, winter	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, low / medium	Wheat, winter	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, low / medium	Wheat, winter	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Field / row crop, low / medium	Wheat, winter	LOW	MIN	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, low / medium	Wheat, winter	LOW	FULL	Baling Straw	0	No TC				
Field / row crop, low / medium	Wheat, winter	LOW	FULL	Swathing, Mechanical	0	No TC				
Field / row crop, low / medium	Wheat, winter	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, tall	Sorghum, grain	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, tall	Sorghum, grain	HIGH	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Field / row crop, tall	Sorghum, grain	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Field / row crop, tall	Sorghum, grain	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, tall	Sorghum, grain	HIGH	FULL	Weeding, Mechanical	0	No TC				
Field / row crop, tall	Sorghum, grain	LOW	FULL	Weeding, Mechanical	0	No TC				

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Field / row crop, tall	Sorghum, grain	HIGH	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, tall	Sorghum, grain	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, tall	Sorghum, grain	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Field / row crop, tall	Sorghum, grain	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, tall	Sorghum, grain	LOW	MIN	Weeding, Mechanical	0	No TC				
Field / row crop, tall	Sunflower	HIGH	FULL	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Field / row crop, tall	Sunflower	LOW	MIN	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Field / row crop, tall	Sunflower	HIGH	FULL	Bird Control	90	HS	ARF022	Sunflower	Scouting	45005909
Field / row crop, tall	Sunflower	LOW	FULL	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Field / row crop, tall	Sunflower	HIGH	MIN	Harvesting, Mechanical	0	No TC				
Field / row crop, tall	Sunflower	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, tall	Corn, field	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, tall	Corn, field	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, tall	Corn, field	HIGH	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Field / row crop, tall	Corn, field	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, tall	Corn, field	HIGH	FULL	Weeding, Mechanical	0	No TC				
Field / row crop, tall	Corn, field	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Field / row crop, tall	Corn, field	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, tall	Corn, field	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Field / row crop, tall	Corn, field	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, tall	Corn, field	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, tall	Corn, field	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, tall	Corn, field	HIGH	FULL	Topping	0	No TC				
Field / row crop, tall	Corn, field	LOW	MIN	Weeding, Mechanical	0	No TC				
Field / row crop, tall	Corn, field	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Field / row crop, tall	Corn, field	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, tall	Corn, field	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, tall	Corn, pop	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, tall	Corn, pop	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, tall	Corn, pop	HIGH	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Field / row crop, tall	Corn, pop	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, tall	Corn, pop	HIGH	FULL	Weeding, Mechanical	0	No TC				
Field / row crop, tall	Corn, pop	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Field / row crop, tall	Corn, pop	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, tall	Corn, pop	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Field / row crop, tall	Corn, pop	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, tall	Corn, pop	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, tall	Corn, pop	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, tall	Corn, pop	HIGH	FULL	Topping	0	No TC				
Field / row crop, tall	Corn, pop	LOW	MIN	Weeding, Mechanical	0	No TC				
Field / row crop, tall	Corn, pop	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Field / row crop, tall	Corn, pop	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, tall	Corn, pop	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, tall	Corn, sweet, grain	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, tall	Corn, sweet, grain	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, tall	Corn, sweet,	HIGH	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
	grain						ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, tall	Corn, sweet, grain	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Field / row crop, tall	Corn, sweet, grain	HIGH	FULL	Detasseling, Hand	8800	Sx (EPA)	ARF010	Sweet Corn, Fresh	Hand Harvesting	45005905
							AR1033	Sweet Corn, Fresh	Hand Harvesting	48866801
Field / row crop, tall	Corn, sweet, grain	HIGH	FULL	Harvesting, Hand	8800	Sx (EPA)	ARF010	Sweet Corn, Fresh	Hand Harvesting	45005905
							AR1033	Sweet Corn, Fresh	Hand Harvesting	48866801
Field / row crop, tall	Corn, sweet, grain	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, tall	Corn, sweet, grain	HIGH	FULL	Weeding, Mechanical	0	No TC				
Field / row crop, tall	Corn, sweet, grain	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, tall	Corn, sweet, grain	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Field / row crop, tall	Corn, sweet, grain	LOW	MIN	Weeding, Mechanical	0	No TC				
Field / row crop, tall	Corn, sweet, grain	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, tall	Corn, sweet, grain	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Field / row crop, tall	Corn, sweet, grain	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, tall	Corn, sweet, grain	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, tall	Corn, sweet, grain	HIGH	FULL	Topping	0	No TC				
Field / row crop, tall	Corn, sweet,	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
	grain						AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, tall	Corn, sweet, processing	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, tall	Corn, sweet, processing	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, tall	Corn, sweet, processing	HIGH	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Field / row crop, tall	Corn, sweet, processing	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, tall	Corn, sweet, processing	HIGH	FULL	Weeding, Mechanical	0	No TC				
Field / row crop, tall	Corn, sweet, processing	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Field / row crop, tall	Corn, sweet, processing	LOW	FULL	Harvesting, Mechanical	0	No TC				
Field / row crop, tall	Corn, sweet, processing	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Field / row crop, tall	Corn, sweet, processing	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, tall	Corn, sweet, processing	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Field / row crop, tall	Corn, sweet, processing	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Field / row crop, tall	Corn, sweet, processing	HIGH	FULL	Topping	0	No TC				
Field / row crop, tall	Corn, sweet, processing	LOW	MIN	Weeding, Mechanical	0	No TC				
Field / row crop, tall	Corn, sweet, processing	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Field / row crop, tall	Corn, sweet, processing	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Field / row crop, tall	Corn, sweet, processing	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Flowers, cut	Floriculture Crop	HIGH	FULL	Harvesting, Hand	4800	GHf	ARF055	Nursery Crops	Hand Harvesting	46789301
Flowers, cut	Floriculture Crop	LOW	FULL	Harvesting, Hand	4800	GHf	ARF055	Nursery Crops	Hand Harvesting	46789301
Flowers, cut	Floriculture Crop	LOW	FULL	Container Moving	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Flowers, cut	Floriculture Crop	LOW	FULL	Pinching	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Flowers, cut	Floriculture Crop	HIGH	FULL	Pruning, Hand	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Flowers, cut	Floriculture Crop	LOW	FULL	Pruning, Hand	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Flowers, cut	Floriculture Crop	LOW	FULL	Weeding, Hand	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Flowers, cut	Floriculture Crop	HIGH	FULL	Weeding, Hand	230	GN	ARF039	Chrysanthemums	Pinching	45344501



**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Flowers, cut	Floriculture Crop	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Flowers, cut	Floriculture Crop	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Flowers, cut	Floriculture Crop	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Flowers, cut	Floriculture Crop	HIGH	FULL	Scouting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Flowers, cut	Floriculture Crop	LOW	FULL	Scouting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Flowers, cut	Floriculture Crop	LOW	FULL	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Flowers, cut	Floriculture Crop	LOW	MIN	Weeding, Mechanical	0	No TC				
Flowers, cut	Floriculture Crop	LOW	MIN	Weeding, Hand	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Flowers, cut	Floriculture Crop	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Flowers, cut	Floriculture Crop	LOW	MIN	Pinching	230	GN	ARF039	Chrysanthemums	Pinching	45344501

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Sugarcane	Sugarcane	HIGH	FULL	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Sugarcane	Sugarcane	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Sugarcane	Sugarcane	HIGH	FULL	Weeding, Mechanical	0	No TC				
Sugarcane	Sugarcane	HIGH	FULL	Harvesting, Hand	8800	Sx (EPA)	ARF010	Sweet Corn, Fresh	Hand Harvesting	45005905
							AR1033	Sweet Corn, Fresh	Hand Harvesting	48866801
Sugarcane	Sugarcane	HIGH	MIN	Scouting	1100	SSs	ARF009	Corn, Sweet	Scouting	45005904
							ARF021	Beans/Peas, Dry	Scouting	45005908
Sugarcane	Sugarcane	HIGH	MIN	Weeding, Mechanical	0	No TC				
Sugarcane	Sugarcane	HIGH	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Sugarcane	Sugarcane	LOW	MIN	Transplanting	0	No TC				
Sugarcane	Sugarcane	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Tree, "fruit", deciduous	Apple	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Apple	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Apple	HIGH	FULL	Harvesting, Hand	1400	OH	AR1002	Peach	Hand Harvesting	42830002

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
						(EPA)	AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "fruit", deciduous	Apple	HIGH	FULL	Propping	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Apple	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297603
Tree, "fruit", deciduous	Apple	HIGH	FULL	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Apple	HIGH	FULL	Training	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Apple	HIGH	FULL	Weeding, Mechanical	0	No TC				
Tree, "fruit", deciduous	Apple	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Tree, "fruit", deciduous	Apple	HIGH	MIN	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", deciduous	Apple	HIGH	MIN	Pruning, Hand	See "Alternate TC Method" Guidance					
Tree, "fruit", deciduous	Apple	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "fruit", deciduous	Apple	HIGH	MIN	Frost Control	0	No TC				
Tree, "fruit", deciduous	Apple	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", deciduous	Apple	HIGH	FULL	Spreading Bins	0	No TC				

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Tree, "fruit", deciduous	Apple	LOW	FULL	Weeding, Mechanical	0	No TC				
Tree, "fruit", deciduous	Apple	LOW	MIN	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Apple	LOW	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Apple	HIGH	FULL	Thinning Fruit	3600	OT (EPA)	AR1003	Apple	Thinning	42428101
Tree, "fruit", deciduous	Apricot	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Apricot	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Apricot	HIGH	FULL	Propping	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Apricot	HIGH	FULL	Thinning Fruit	3600	OT (EPA)	AR1003	Apple	Thinning	42428101
Tree, "fruit", deciduous	Apricot	HIGH	FULL	Harvesting, Hand	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "fruit", deciduous	Apricot	HIGH	FULL	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Apricot	HIGH	FULL	Weeding, Mechanical	0	No TC				
Tree, "fruit", deciduous	Apricot	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Tree, "fruit", deciduous	Apricot	HIGH	FULL	Fertilizing	0	No TC				
Tree, "fruit", deciduous	Apricot	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Tree, "fruit", deciduous	Apricot	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", deciduous	Apricot	HIGH	FULL	Spreading Bins	0	No TC				
Tree, "fruit", deciduous	Apricot	HIGH	MIN	Pruning, Hand	See "Alternate TC Method" Guidance					
Tree, "fruit", deciduous	Apricot	LOW	MIN	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Apricot	HIGH	FULL	Bird Control	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Apricot	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Apricot	HIGH	FULL	Training	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Cherry	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", deciduous	Cherry	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Cherry	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Cherry	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Cherry	HIGH	FULL	Thinning Fruit	3600	OT (EPA)	AR1003	Apple	Thinning	42428101
Tree, "fruit", deciduous	Cherry	HIGH	FULL	Harvesting, Hand	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "fruit", deciduous	Cherry	HIGH	FULL	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Cherry	HIGH	FULL	Fertilizing	0	No TC				
Tree, "fruit", deciduous	Cherry	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Tree, "fruit", deciduous	Cherry	HIGH	FULL	Weeding, Mechanical	0	No TC				
Tree, "fruit", deciduous	Cherry	HIGH	MIN	Pruning, Hand	See "Alternate TC Method" Guidance					
Tree, "fruit", deciduous	Cherry	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "fruit", deciduous	Cherry	HIGH	FULL	Spreading Bins	0	No TC				
Tree, "fruit", deciduous	Cherry	LOW	MIN	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Cherry	HIGH	FULL	Bird Control	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Cherry	HIGH	FULL	Propping	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Cherry	HIGH	FULL	Training	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Fig	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", deciduous	Fig	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Fig	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Tree, "fruit", deciduous	Fig	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Fig	HIGH	FULL	Harvesting, Hand	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "fruit", deciduous	Fig	HIGH	FULL	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Fig	HIGH	FULL	Weeding, Mechanical	0	No TC				
Tree, "fruit", deciduous	Fig	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Tree, "fruit", deciduous	Fig	HIGH	FULL	Pollination	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "fruit", deciduous	Fig	HIGH	MIN	Weeding, Mechanical	0	No TC				
Tree, "fruit", deciduous	Fig	HIGH	MIN	Pruning, Hand	See "Alternate TC Method" Guidance					
Tree, "fruit", deciduous	Fig	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "fruit", deciduous	Nectarine	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Nectarine	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Nectarine	HIGH	FULL	Thinning Fruit	3600	OT (EPA)	AR1003	Apple	Thinning	42428101
Tree, "fruit", deciduous	Nectarine	HIGH	FULL	Harvesting, Hand	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
Tree, "fruit", deciduous	Nectarine	HIGH	FULL	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Nectarine	HIGH	MIN	Pruning, Hand	See "Alternate TC Method" Guidance					
Tree, "fruit", deciduous	Nectarine	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "fruit", deciduous	Nectarine	HIGH	MIN	Fertilizing	0	No TC				
Tree, "fruit", deciduous	Nectarine	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Tree, "fruit", deciduous	Nectarine	HIGH	FULL	Irrigation (non-hand set)	0	No TC				



Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Tree, "fruit", deciduous	Nectarine	HIGH	FULL	Spreading Bins	0	No TC				
Tree, "fruit", deciduous	Nectarine	HIGH	FULL	Weeding, Mechanical	0	No TC				
Tree, "fruit", deciduous	Nectarine	HIGH	FULL	Propping	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Nectarine	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Nectarine	HIGH	FULL	Training	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Peach	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", deciduous	Peach	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Peach	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Peach	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Peach	HIGH	FULL	Thinning Fruit	3600	OT (EPA)	AR1003	Apple	Thinning	42428101
Tree, "fruit", deciduous	Peach	HIGH	FULL	Harvesting, Hand	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "fruit", deciduous	Peach	HIGH	FULL	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Peach	HIGH	FULL	Weeding, Mechanical	0	No TC				

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Tree, "fruit", deciduous	Peach	HIGH	MIN	Pruning, Hand	See "Alternate TC Method" Guidance					
Tree, "fruit", deciduous	Peach	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "fruit", deciduous	Peach	HIGH	MIN	Fertilizing	0	No TC				
Tree, "fruit", deciduous	Peach	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Tree, "fruit", deciduous	Peach	HIGH	FULL	Spreading Bins	0	No TC				
Tree, "fruit", deciduous	Peach	HIGH	FULL	Propping	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Peach	HIGH	FULL	Training	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Pear	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", deciduous	Pear	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Pear	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Pear	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Pear	HIGH	FULL	Thinning Fruit	3600	OT (EPA)	AR1003	Apple	Thinning	42428101
Tree, "fruit", deciduous	Pear	HIGH	FULL	Harvesting, Hand	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "fruit", deciduous	Pear	HIGH	FULL	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Pear	HIGH	FULL	Weeding, Mechanical	0	No TC				
Tree, "fruit", deciduous	Pear	HIGH	MIN	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Pear	HIGH	MIN	Pruning, Hand	See "Alternate TC Method" Guidance					
Tree, "fruit", deciduous	Pear	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "fruit", deciduous	Pear	HIGH	FULL	Fertilizing	0	No TC				
Tree, "fruit", deciduous	Pear	HIGH	FULL	Propping	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Pear	HIGH	FULL	Training	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Plum, prune	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", deciduous	Plum, prune	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Plum, prune	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Plum, prune	HIGH	FULL	Thinning Fruit	3600	OT (EPA)	AR1003	Apple	Thinning	42428101
Tree, "fruit", deciduous	Plum, prune	HIGH	FULL	Harvesting, Hand	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "fruit", deciduous	Plum, prune	HIGH	FULL	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Plum, prune	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Tree, "fruit", deciduous	Plum, prune	HIGH	FULL	Weeding, Mechanical	0	No TC				
Tree, "fruit", deciduous	Plum, prune	HIGH	MIN	Pruning, Hand	See "Alternate TC Method" Guidance					
Tree, "fruit", deciduous	Plum, prune	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "fruit", deciduous	Plum, prune	HIGH	MIN	Fertilizing	0	No TC				
Tree, "fruit", deciduous	Plum, prune	HIGH	FULL	Spreading Bins	0	No TC				
Tree, "fruit", deciduous	Plum, prune	HIGH	FULL	Propping	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Plum, prune	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Plum, prune	HIGH	FULL	Training	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Pomegranate	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", deciduous	Pomegranate	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", deciduous	Pomegranate	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Tree, "fruit", deciduous	Pomegranate	HIGH	FULL	Harvesting, Hand	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "fruit", deciduous	Pomegranate	HIGH	FULL	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Pomegranate	HIGH	FULL	Weeding, Mechanical	0	No TC				
Tree, "fruit", deciduous	Pomegranate	HIGH	MIN	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", deciduous	Pomegranate	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "fruit", evergreen	Avocado	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", evergreen	Avocado	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", evergreen	Avocado	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", evergreen	Avocado	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", evergreen	Avocado	HIGH	FULL	Harvesting, Hand	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "fruit", evergreen	Avocado	HIGH	FULL	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", evergreen	Avocado	HIGH	FULL	Weeding, Mechanical	0	No TC				
Tree, "fruit", evergreen	Avocado	HIGH	MIN	Pruning, Hand	See "Alternate TC Method" Guidance					
Tree, "fruit", evergreen	Avocado	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "fruit", evergreen	Christmas tree	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", evergreen	Christmas tree	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", evergreen	Christmas tree	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Tree, "fruit", evergreen	Christmas tree	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Tree, "fruit", evergreen	Christmas tree	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", evergreen	Christmas tree	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", evergreen	Christmas tree	HIGH	FULL	Harvesting	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "fruit", evergreen	Christmas tree	HIGH	FULL	Fertilizing	0	No TC				
Tree, "fruit", evergreen	Christmas tree	HIGH	FULL	Weeding, Mechanical	0	No TC				
Tree, "fruit", evergreen	Christmas tree	HIGH	FULL	Grading/Tagging	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", evergreen	Christmas tree	HIGH	FULL	Pruning, Mechanical	0	No TC				
Tree, "fruit", evergreen	Christmas tree	LOW	MIN	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", evergreen	Christmas tree	LOW	MIN	Weeding, Mechanical	0	No TC				
Tree, "fruit", evergreen	Christmas tree	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "fruit", evergreen	Christmas tree	LOW	MIN	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", evergreen	Christmas tree	HIGH	FULL	Shaping	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", evergreen	Christmas tree	LOW	MIN	Grading/Tagging	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", evergreen	Date	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", evergreen	Date	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", evergreen	Date	HIGH	FULL	Bagging Fruit	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "fruit", evergreen	Date	HIGH	FULL	Harvesting, Hand	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "fruit", evergreen	Date	HIGH	FULL	Pollination	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "fruit", evergreen	Date	HIGH	FULL	Thinning Fruit	3600	OT (EPA)	AR1003	Apple	Thinning	42428101
Tree, "fruit", evergreen	Date	HIGH	FULL	Pruning, Hand	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202



**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "fruit", evergreen	Date	HIGH	FULL	Weeding, Mechanical	0	No TC				
Tree, "fruit", evergreen	Date	HIGH	FULL	Dethorning Trees	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "fruit", evergreen	Date	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Tree, "fruit", evergreen	Date	HIGH	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "fruit", evergreen	Date	HIGH	FULL	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "fruit", evergreen	Grapefruit	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", evergreen	Grapefruit	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", evergreen	Grapefruit	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", evergreen	Grapefruit	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Tree, "fruit", evergreen	Grapefruit	HIGH	FULL	Harvesting, Hand	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "fruit", evergreen	Grapefruit	HIGH	FULL	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", evergreen	Grapefruit	HIGH	FULL	Weeding, Mechanical	0	No TC				
Tree, "fruit", evergreen	Grapefruit	HIGH	FULL	Baiting/Trapping	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", evergreen	Grapefruit	HIGH	MIN	Pruning, Hand	See "Alternate TC Method" Guidance					
Tree, "fruit", evergreen	Grapefruit	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "fruit", evergreen	Grapefruit	LOW	FULL	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "fruit", evergreen	Grapefruit	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", evergreen	Grapefruit	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", evergreen	Grapefruit	HIGH	FULL	Pruning, Mechanical	0	No TC				
Tree, "fruit", evergreen	Grapefruit	LOW	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", evergreen	Grapefruit	LOW	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", evergreen	Lemon	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", evergreen	Lemon	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", evergreen	Lemon	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", evergreen	Lemon	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", evergreen	Lemon	HIGH	FULL	Harvesting, Hand	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "fruit", evergreen	Lemon	HIGH	FULL	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", evergreen	Lemon	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "fruit", evergreen	Lemon	LOW	FULL	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "fruit", evergreen	Lemon	LOW	FULL	Irrigation (non-hand set)	0	No TC				

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Tree, "fruit", evergreen	Lemon	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", evergreen	Lemon	HIGH	FULL	Pruning, Mechanical	0	No TC				
Tree, "fruit", evergreen	Lemon	LOW	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", evergreen	Lemon	HIGH	FULL	Baiting/Trapping	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", evergreen	Lemon	LOW	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", evergreen	Mango	HIGH	FULL	Harvesting, Hand	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
Tree, "fruit", evergreen	Mango	HIGH	FULL	Thinning Fruit	3600	OT (EPA)	AR1003	Apple	Thinning	42428101
							ARF033	Olive	Hand Pruning	45175102
Tree, "fruit", evergreen	Mango	HIGH	FULL	Pruning, Hand	580	OP	ARF047	Apple	Hand Pruning	45480302
							ARF033	Olive	Hand Pruning	45175102
Tree, "fruit", evergreen	Mango	HIGH	FULL	Scouting	580	OP	ARF047	Apple	Hand Pruning	45480302
							ARF033	Olive	Hand Pruning	45175102
Tree, "fruit", evergreen	Orange	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", evergreen	Orange	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", evergreen	Orange	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", evergreen	Orange	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Tree, "fruit", evergreen	Orange	HIGH	FULL	Harvesting, Hand	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "fruit", evergreen	Orange	HIGH	FULL	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", evergreen	Orange	HIGH	MIN	Pruning, Hand	See "Alternate TC Method" Guidance					
Tree, "fruit", evergreen	Orange	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "fruit", evergreen	Orange	LOW	FULL	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "fruit", evergreen	Orange	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", evergreen	Orange	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", evergreen	Orange	HIGH	FULL	Pruning, Mechanical	0	No TC				
Tree, "fruit", evergreen	Orange	LOW	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", evergreen	Orange	HIGH	FULL	Baiting/Trapping	100	OW	AR1017	Peach	Propping	43297602

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Tree, "fruit", evergreen	Orange	LOW	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", evergreen	Papaya	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "fruit", evergreen	Papaya	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", evergreen	Papaya	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", evergreen	Papaya	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "fruit", evergreen	Papaya	HIGH	FULL	Harvesting, Hand	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
Tree, "fruit", evergreen	Papaya	HIGH	FULL	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "fruit", evergreen	Papaya	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "fruit", evergreen	Papaya	HIGH	MIN	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "nut"	Almond	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "nut"	Almond	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "nut"	Almond	HIGH	FULL	Harvesting, Mechanical (shaking)	190	OHn	AR1016	Almonds	Mechanical Harvesting	41848604

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Tree, "nut"	Almond	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "nut"	Almond	HIGH	FULL	Poling	100	OW	AR1017	Peach	Propping	43297602
Tree, "nut"	Almond	HIGH	FULL	Sweeping, Mechanical	See "Alternate TC Method" Guidance					
Tree, "nut"	Almond	HIGH	FULL	Windrowing, Mechanical	See "Alternate TC Method" Guidance					
Tree, "nut"	Almond	HIGH	MIN	Pruning, Hand	See "Alternate TC Method" Guidance					
Tree, "nut"	Almond	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "nut"	Hazelnut	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "nut"	Hazelnut	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "nut"	Hazelnut	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "nut"	Hazelnut	HIGH	FULL	Weeding, Mechanical	0	No TC				
Tree, "nut"	Hazelnut	HIGH	FULL	Sweeping, Mechanical	See "Alternate TC Method" Guidance					
Tree, "nut"	Hazelnut	HIGH	FULL	Windrowing, Mechanical	See "Alternate TC Method" Guidance					

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Tree, "nut"	Hazelnut	HIGH	MIN	Pruning, Hand	See "Alternate TC Method" Guidance					
Tree, "nut"	Hazelnut	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "nut"	Hazelnut	HIGH	FULL	Harvesting, Mechanical (shaking)	190	OHn	AR1016	Almonds	Mechanical Harvesting	41848604
Tree, "nut"	Macadamia nut	HIGH	FULL	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "nut"	Macadamia nut	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "nut"	Macadamia nut	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "nut"	Macadamia nut	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "nut"	Macadamia nut	HIGH	MIN	Pruning, Hand	See "Alternate TC Method" Guidance					
Tree, "nut"	Macadamia nut	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "nut"	Macadamia nut	HIGH	FULL	Harvesting, Mechanical (shaking)	190	OHn	AR1016	Almonds	Mechanical Harvesting	41848604
Tree, "nut"	Macadamia nut	HIGH	FULL	Sweeping, Mechanical	See "Alternate TC Method" Guidance					
Tree, "nut"	Macadamia nut	HIGH	FULL	Windrowing, Mechanical	See "Alternate TC Method" Guidance					



**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Tree, "nut"	Olive	HIGH	FULL	Harvesting, Hand	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "nut"	Olive	HIGH	FULL	Harvesting, Mechanical (shaking)	190	OHn	AR1016	Almonds	Mechanical Harvesting	41848604
Tree, "nut"	Olive	HIGH	FULL	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "nut"	Olive	HIGH	FULL	Thinning Fruit	3600	OT (EPA)	AR1003	Apple	Thinning	42428101
Tree, "nut"	Olive	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "nut"	Olive	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "nut"	Olive	HIGH	FULL	Weeding, Mechanical	0	No TC				
Tree, "nut"	Olive	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "nut"	Olive	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "nut"	Pecan	HIGH	FULL	Harvesting, Mechanical (shaking)	190	OHn	AR1016	Almonds	Mechanical Harvesting	41848604
Tree, "nut"	Pecan	HIGH	FULL	Poling	100	OW	AR1017	Peach	Propping	43297602
Tree, "nut"	Pecan	HIGH	FULL	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Tree, "nut"	Pecan	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "nut"	Pecan	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "nut"	Pecan	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "nut"	Pecan	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "nut"	Pecan	HIGH	FULL	Weeding, Mechanical	0	No TC				
Tree, "nut"	Pecan	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "nut"	Pecan	HIGH	MIN	Pruning, Hand	See "Alternate TC Method" Guidance					
Tree, "nut"	Pecan	HIGH	FULL	Sweeping, Mechanical	See "Alternate TC Method" Guidance					
Tree, "nut"	Pecan	HIGH	FULL	Windrowing, Mechanical	See "Alternate TC Method" Guidance					
Tree, "nut"	Pistachio	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "nut"	Pistachio	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "nut"	Pistachio	HIGH	FULL	Harvesting, Hand (net)	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Tree, "nut"	Pistachio	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "nut"	Pistachio	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "nut"	Pistachio	HIGH	FULL	Weeding, Mechanical	0	No TC				
Tree, "nut"	Pistachio	HIGH	FULL	Harvesting, Mechanical (shaking)	190	OHn	AR1016	Almonds	Mechanical Harvesting	41848604
Tree, "nut"	Pistachio	HIGH	MIN	Pruning, Hand	See "Alternate TC Method" Guidance					
Tree, "nut"	Pistachio	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Tree, "nut"	Walnut	HIGH	FULL	Harvesting, Mechanical (shaking)	190	OHn	AR1016	Almonds	Mechanical Harvesting	41848604
Tree, "nut"	Walnut	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Tree, "nut"	Walnut	HIGH	FULL	Orchard maintenance	100	OW	AR1017	Peach	Propping	43297602
Tree, "nut"	Walnut	HIGH	FULL	Poling	100	OW	AR1017	Peach	Propping	43297602
Tree, "nut"	Walnut	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Tree, "nut"	Walnut	HIGH	FULL	Sweeping, Mechanical	See "Alternate TC Method" Guidance					
Tree, "nut"	Walnut	HIGH	FULL	Windrowing, Mechanical	See "Alternate TC Method" Guidance					

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Tree, "nut"	Walnut	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Tree, "nut"	Walnut	HIGH	FULL	Weeding, Mechanical	0	No TC				
Tree, "nut"	Walnut	HIGH	MIN	Pruning, Hand	See "Alternate TC Method" Guidance					
Tree, "nut"	Walnut	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Turf / sod	Golf Course	LOW	FULL	Maintenance	3700	DM	ARF057	Golf Course Turf	Maintenance	46734001
Turf / sod	Golf Course	LOW	FULL	Maintenance, greens only	2500	DMg (EPA)	ARF057	Golf Course Turf	Maintenance	46734001
Turf / sod	Sod	LOW	FULL	Maintenance	6700	DH	ARF035	Sod	Harvesting	45432303
Turf / sod	Sod	LOW	FULL	Harvesting, Slab	6700	DH	ARF035	Sod	Harvesting	45432303
Turf / sod	Sod	LOW	FULL	Transplanting/Planting	6700	DH	ARF035	Sod	Harvesting	45432303
Turf / sod	Sod	LOW	FULL	Harvesting, Roll	0	No TC				
Unassigned	Forestry	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Unassigned	Forestry	HIGH	FULL	Harvesting, Seed Cone (Conifers)	1400	OH (EPA)	AR1002	Peach	Hand Harvesting	42830002
							AR1014	Peach	Hand Harvesting	40975308
							AR1021	Peach	Hand Harvesting	40966501
							ARF025	Apple	Hand Harvesting	45138202
							ARF028	Orange	Hand Harvesting	45175101
							ARF041	Orange	Hand Harvesting	45432301
							ARF042	Grapefruit	Hand Harvesting	45432302
Unassigned	Forestry	HIGH	FULL	Harvesting, Seedling Production	6700	DH	ARF035	Sod	Harvesting	45432303

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Unassigned	Forestry	HIGH	FULL	Pruning, Hand	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Unassigned	Forestry	HIGH	FULL	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Unassigned	Forestry	HIGH	FULL	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Unassigned	Forestry	HIGH	MIN	Weeding, Mechanical	0	No TC				
Unassigned	Forestry	HIGH	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Unassigned	Forestry	HIGH	MIN	Pruning, Hand	See "Alternate TC Method" Guidance					
Unassigned	Forestry	HIGH	MIN	Scouting	580	OP	ARF033	Olive	Hand Pruning	45175102
							ARF047	Apple	Hand Pruning	45480302
Unassigned	Forestry	LOW	MIN	Weeding, Hand	100	OW	AR1017	Peach	Propping	43297602
Unassigned	Forestry	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Forestry	HIGH	FULL	Burndown	0	No TC				
Unassigned	Forestry	HIGH	FULL	Fertilizing	0	No TC				
Unassigned	Forestry	HIGH	FULL	Weeding, Mechanical	0	No TC				
Unassigned	Forestry	LOW	MIN	Pruning, Hand	See "Alternate TC Method" Guidance					
Unassigned	Greenhouse Vegetable	HIGH	FULL	Harvesting, Hand	1200	GHv	ARF020	Blackberries	Hand Harvesting	46405901
							ARF051	Tomato, Fresh	Tying	45530103

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Unassigned	Greenhouse Vegetable	LOW	FULL	Harvesting, Hand	1200	GHv	ARF020	Blackberries	Hand Harvesting	46405901
							ARF051	Tomato, Fresh	Tying	45530103
Unassigned	Greenhouse Vegetable	LOW	MIN	Pinching	1200	GHv	ARF020	Blackberries	Hand Harvesting	46405901
							ARF051	Tomato, Fresh	Tying	45530103
Unassigned	Greenhouse Vegetable	HIGH	FULL	Pinching	1200	GHv	ARF020	Blackberries	Hand Harvesting	46405901
							ARF051	Tomato, Fresh	Tying	45530103
Unassigned	Greenhouse Vegetable	HIGH	FULL	Pollination	1200	GHv	ARF020	Blackberries	Hand Harvesting	46405901
							ARF051	Tomato, Fresh	Tying	45530103
Unassigned	Greenhouse Vegetable	LOW	FULL	Pruning, Hand	1200	GHv	ARF020	Blackberries	Hand Harvesting	46405901
							ARF051	Tomato, Fresh	Tying	45530103
Unassigned	Greenhouse Vegetable	HIGH	FULL	Scouting	1200	GHv	ARF020	Blackberries	Hand Harvesting	46405901
							ARF051	Tomato, Fresh	Tying	45530103
Unassigned	Greenhouse Vegetable	HIGH	FULL	Turning	1200	GHv	ARF020	Blackberries	Hand Harvesting	46405901
							ARF051	Tomato, Fresh	Tying	45530103
Unassigned	Greenhouse Vegetable	HIGH	FULL	Tying/Training	1200	GHv	ARF020	Blackberries	Hand Harvesting	46405901
							ARF051	Tomato, Fresh	Tying	45530103
Unassigned	Greenhouse Vegetable	HIGH	FULL	Weeding, Hand	1200	GHv	ARF020	Blackberries	Hand Harvesting	46405901
							ARF051	Tomato, Fresh	Tying	45530103
Unassigned	Greenhouse Vegetable	LOW	MIN	Propagating	1200	GHv	ARF020	Blackberries	Hand Harvesting	46405901
							ARF051	Tomato, Fresh	Tying	45530103
Unassigned	Greenhouse Vegetable	LOW	MIN	Pruning, Hand	1200	GHv	ARF020	Blackberries	Hand Harvesting	46405901
							ARF051	Tomato, Fresh	Tying	45530103
Unassigned	Greenhouse	LOW	MIN	Scouting	1200	GHv	ARF020	Blackberries	Hand Harvesting	46405901

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
	Vegetable						ARF051	Tomato, Fresh	Tying	45530103
Unassigned	Greenhouse Vegetable	LOW	MIN	Weeding, Hand	1200	GHv	ARF020	Blackberries	Hand Harvesting	46405901
							ARF051	Tomato, Fresh	Tying	45530103
Unassigned	Greenhouse Vegetable	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Greenhouse Vegetable	HIGH	FULL	Pruning, Hand	1200	GHv	ARF020	Blackberries	Hand Harvesting	46405901
							ARF051	Tomato, Fresh	Tying	45530103
Unassigned	Greenhouse Vegetable	HIGH	FULL	Irrigation (hand watering)	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Nursery/Greenhouse Crop (Ornamentals, Non-bearing Plants)	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Unassigned	Nursery/Greenhouse Crop (Ornamentals, Non-bearing Plants)	LOW	FULL	Harvesting, Mechanical	0	No TC				
Unassigned	Nursery/Greenhouse Crop (Ornamentals, Non-bearing Plants)	HIGH	FULL	Weeding, Mechanical	0	No TC				
Unassigned	Nursery/Greenhouse Crop (Ornamentals, Non-bearing Plants)	HIGH	FULL	Harvesting, Hand	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	LOW	FULL	Harvesting, Hand	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Nursery Crop (Ornamentals, Non-bearing Plants)	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Unassigned	Nursery Crop (Ornamentals, Non-bearing Plants)	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	HIGH	FULL	Pruning, Hand	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	LOW	FULL	Pruning, Hand	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	HIGH	FULL	Scouting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502



Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	LOW	FULL	Scouting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	HIGH	FULL	Container Moving	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	HIGH	FULL	Weeding, Hand	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	LOW	FULL	Weeding, Hand	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	LOW	FULL	Weeding, Mechanical	0	No TC				
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	HIGH	FULL	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	LOW	FULL	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	HIGH	MIN	Harvesting, Mechanical	0	No TC				
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	LOW	MIN	Fertilizing	0	No TC				
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	LOW	MIN	Grafting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	HIGH	MIN	Harvesting, Hand	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	LOW	MIN	Propagating	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	HIGH	MIN	Pruning, Hand	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	HIGH	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
	Non-bearing Plants)						ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	LOW	FULL	Pinching	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	HIGH	FULL	Pinching	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	LOW	FULL	Tying/Training	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	LOW	FULL	Spreading Bins	0	No TC				
Unassigned	Nursery/Green house Crop (Ornamentals, Non-bearing Plants)	HIGH	FULL	Spreading Bins	0	No TC				
Vegetable, "root"	Beet, garden	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, "root"	Beet, garden	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, "root"	Beet, garden	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, "root"	Beet, garden	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, "root"	Beet, garden	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, "root"	Beet, garden	LOW	FULL	Harvesting, Mechanical	0	No TC				
Vegetable, "root"	Beet, garden	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, "root"	Beet, garden	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, "root"	Beet, garden	LOW	MIN	Irrigation (non-hand set)		No TC				
Vegetable, "root"	Beet, garden	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, "root"	Beet, garden	LOW	MIN	Thinning Plants	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, "root"	Beet, garden	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, "root"	Beet, garden	LOW	MIN	Weeding, Mechanical	0	No TC				
Vegetable, "root"	Carrot	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, "root"	Carrot	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, "root"	Carrot	LOW	FULL	Irrigation (non-hand set)	0	No TC				

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, "root"	Carrot	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, "root"	Carrot	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, "root"	Carrot	LOW	FULL	Harvesting, Mechanical	0	No TC				
Vegetable, "root"	Carrot	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, "root"	Carrot	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, "root"	Carrot	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, "root"	Carrot	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, "root"	Carrot	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, "root"	Carrot	LOW	MIN	Weeding, Mechanical	0	No TC				
Vegetable, "root"	Onion, bulb	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, "root"	Onion, bulb	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, "root"	Onion, bulb	LOW	FULL	Scouting	1400	WIH	ARF050	Cabbage	Hand Harvesting	45530102
Vegetable, "root"	Onion, bulb	LOW	FULL	Weeding, Hand	4200	Wm	ARF011	Cauliflower	Scouting	45005906
							ARF012	Cauliflower	Hand Harvesting	45005907
							ARF037	Cabbage	Hand Weeding	45191701
Vegetable, "root"	Onion, bulb	LOW	FULL	Harvesting, Mechanical	0	No TC				
Vegetable, "root"	Onion, bulb	LOW	FULL	Weeding, Mechanical	0	No TC				

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, "root"	Onion, bulb	LOW	FULL	Harvesting, Hand	See "Alternate TC Method" Guidance					
Vegetable, "root"	Onion, bulb	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, "root"	Onion, bulb	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, "root"	Onion, bulb	LOW	MIN	Scouting	330	WIS	AR1008	Cauliflower	Scouting	42974501
Vegetable, "root"	Onion, bulb	LOW	MIN	Thinning Plants	330	WIS	AR1008	Cauliflower	Scouting	42974501
Vegetable, "root"	Onion, bulb	LOW	MIN	Weeding, Hand	1400	WIH	ARF050	Cabbage	Hand Harvesting	45530102
Vegetable, "root"	Onion, bulb	LOW	MIN	Weeding, Mechanical	0	No TC				
Vegetable, "root"	Onion, green	LOW	FULL	Harvesting, Hand	1400	WIH	ARF050	Cabbage	Hand Harvesting	45530102
Vegetable, "root"	Onion, green	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, "root"	Onion, green	LOW	FULL	Scouting	1400	WIH	ARF050	Cabbage	Hand Harvesting	45530102
Vegetable, "root"	Onion, green	LOW	FULL	Weeding, Hand	4200	Wm	ARF011	Cauliflower	Scouting	45005906
							ARF012	Cauliflower	Hand Harvesting	45005907
							ARF037	Cabbage	Hand Weeding	45191701
Vegetable, "root"	Onion, green	LOW	FULL	Harvesting, Mechanical	0	No TC				
Vegetable, "root"	Onion, green	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, "root"	Onion, green	LOW	MIN	Scouting	330	WIS	AR1008	Cauliflower	Scouting	42974501
Vegetable, "root"	Onion, green	LOW	MIN	Weeding, Hand	1400	WIH	ARF050	Cabbage	Hand Harvesting	45530102
Vegetable, "root"	Onion, green	LOW	MIN	Weeding, Mechanical	0	No TC				
Vegetable, "root"	Onion, green	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, "root"	Onion, green	LOW	MIN	Thinning Plants	330	WIS	AR1008	Cauliflower	Scouting	42974501
Vegetable, "root"	Potato	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, "root"	Potato	LOW	FULL	Irrigation (non-hand set)	0	No TC				

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, "root"	Potato	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, "root"	Potato	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, "root"	Potato	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, "root"	Potato	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, "root"	Potato	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, "root"	Potato	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, "root"	Potato	LOW	MIN	Harvesting, Mechanical	0	No TC				
Vegetable, "root"	Potato	LOW	MIN	Weeding, Mechanical	0	No TC				
Vegetable, "root"	Potato	LOW	MIN	Harvesting, Hand	See "Alternate TC Method" Guidance					
Vegetable, "root"	Potato	LOW	FULL	Harvesting, Mechanical	0	No TC				
Vegetable, "root"	Potato, Sweet	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, "root"	Potato, Sweet	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, "root"	Potato, Sweet	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, "root"	Potato, Sweet	LOW	FULL	Harvesting, Hand	See "Alternate TC Method" Guidance					
Vegetable, "root"	Potato, Sweet	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, "root"	Potato, Sweet	LOW	FULL	Harvesting, Mechanical	0	No TC				
Vegetable, "root"	Potato, Sweet	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, "root"	Potato, Sweet	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, "root"	Potato, Sweet	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, "root"	Potato, Sweet	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, "root"	Potato, Sweet	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, "root"	Potato, Sweet	LOW	MIN	Weeding, Mechanical	0	No TC				
Vegetable, "root"	Potato, Sweet	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, "root"	Turnip	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, "root"	Turnip	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, "root"	Turnip	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, "root"	Turnip	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501



**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, "root"	Turnip	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, "root"	Turnip	LOW	FULL	Harvesting, Mechanical	0	No TC				
Vegetable, "root"	Turnip	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, "root"	Turnip	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, "root"	Turnip	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, "root"	Turnip	LOW	MIN	Thinning Plants	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, "root"	Turnip	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, "root"	Turnip	LOW	MIN	Weeding, Mechanical	0	No TC				
Vegetable, cucurbit	Cantaloupe	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, cucurbit	Cantaloupe	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, cucurbit	Cantaloupe	LOW	FULL	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Cantaloupe	LOW	FULL	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Cantaloupe	LOW	FULL	Harvesting, Hand	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Cantaloupe	LOW	FULL	Pruning, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Cantaloupe	LOW	MIN	Thinning Fruit	90	HS	ARF022	Sunflower	Scouting	45005909

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, cucurbit	Cantaloupe	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, cucurbit	Cantaloupe	LOW	FULL	Harvesting, Mechanically-assisted	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Cantaloupe	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, cucurbit	Cantaloupe	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, cucurbit	Cantaloupe	LOW	MIN	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Cantaloupe	LOW	MIN	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Cantaloupe	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, cucurbit	Cantaloupe	LOW	FULL	Turning	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Cantaloupe	LOW	FULL	Training	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Cucumber	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, cucurbit	Cucumber	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, cucurbit	Cucumber	LOW	FULL	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Cucumber	LOW	FULL	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Cucumber	LOW	FULL	Harvesting, Hand	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Cucumber	LOW	FULL	Pruning, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Cucumber	LOW	FULL	Thinning Fruit	90	HS	ARF022	Sunflower	Scouting	45005909

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, cucurbit	Cucumber	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, cucurbit	Cucumber	LOW	FULL	Harvesting, Mechanically-assisted	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Cucumber	LOW	MIN	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Cucumber	LOW	MIN	Thinning Fruit	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Cucumber	LOW	MIN	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Cucumber	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, cucurbit	Cucumber	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, cucurbit	Cucumber	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, cucurbit	Cucumber	LOW	FULL	Training	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Gourd	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, cucurbit	Gourd	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, cucurbit	Gourd	LOW	FULL	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Gourd	LOW	FULL	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Gourd	LOW	FULL	Harvesting, Hand	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Gourd	LOW	FULL	Pruning, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Gourd	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, cucurbit	Gourd	LOW	FULL	Harvesting, Mechanically-	550	HH	ARF045	Cucumber	Hand Harvesting	45480301

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
				assisted						
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Gourd	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, cucurbit	Gourd	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, cucurbit	Gourd	LOW	MIN	Thinning Fruit	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Gourd	LOW	MIN	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Gourd	LOW	MIN	Weeding, Mechanical	0	No TC				
Vegetable, cucurbit	Gourd	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, cucurbit	Gourd	LOW	MIN	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Gourd	LOW	MIN	Fertilizing	0	No TC				
Vegetable, cucurbit	Gourd	LOW	FULL	Training	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Pumpkin	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, cucurbit	Pumpkin	LOW	FULL	Harvesting, Hand	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Pumpkin	LOW	FULL	Turning	550	HH	ARF053	Cucumber	Hand Harvesting	45503503
							ARF057	Squash, Summer	Hand Harvesting	45515104
Vegetable, cucurbit	Pumpkin	LOW	FULL	Pruning, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Pumpkin	LOW	MIN	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, cucurbit	Pumpkin	LOW	FULL	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Pumpkin	LOW	MIN	Thinning Fruit	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Pumpkin	LOW	MIN	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Pumpkin	LOW	FULL	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Pumpkin	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, cucurbit	Pumpkin	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, cucurbit	Pumpkin	LOW	FULL	Harvesting, Mechanically-assisted	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Pumpkin	LOW	FULL	Training	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Pumpkin	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, cucurbit	Pumpkin	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, cucurbit	Pumpkin	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, cucurbit	Squash, summer	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, cucurbit	Squash, summer	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, cucurbit	Squash, summer	LOW	FULL	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Squash, summer	LOW	FULL	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Squash, summer	LOW	FULL	Harvesting, Hand	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Squash, summer	LOW	FULL	Pruning, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Squash, summer	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, cucurbit	Squash,	LOW	FULL	Harvesting, Mechanically-	550	HH	ARF045	Cucumber	Hand Harvesting	45480301

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
	summer			assisted			ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Squash, summer	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, cucurbit	Squash, summer	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, cucurbit	Squash, summer	LOW	MIN	Thinning Fruit	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Squash, summer	LOW	MIN	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Squash, summer	LOW	MIN	Weeding, Mechanical	0	No TC				
Vegetable, cucurbit	Squash, summer	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, cucurbit	Squash, summer	LOW	MIN	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Squash, summer	LOW	MIN	Fertilizing	0	No TC				
Vegetable, cucurbit	Squash, summer	LOW	FULL	Training	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Squash, winter	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, cucurbit	Squash, winter	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, cucurbit	Squash, winter	LOW	FULL	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Squash, winter	LOW	FULL	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Squash, winter	LOW	FULL	Harvesting, Hand	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Squash, winter	LOW	FULL	Harvesting, Mechanically-assisted	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, cucurbit	Squash, winter	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, cucurbit	Squash, winter	LOW	MIN	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Squash, winter	LOW	MIN	Thinning Fruit	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Squash, winter	LOW	MIN	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Squash, winter	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, cucurbit	Squash, winter	LOW	FULL	Fertilizing	0	No TC				
Vegetable, cucurbit	Squash, winter	LOW	FULL	Training	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Watermelon	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, cucurbit	Watermelon	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, cucurbit	Watermelon	LOW	FULL	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Watermelon	LOW	FULL	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Watermelon	LOW	FULL	Harvesting, Hand	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Watermelon	LOW	FULL	Pruning, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Watermelon	LOW	FULL	Turning	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, cucurbit	Watermelon	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, cucurbit	Watermelon	LOW	FULL	Harvesting, Mechanically-assisted	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, cucurbit	Watermelon	LOW	MIN	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Watermelon	LOW	MIN	Thinning Fruit	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Watermelon	LOW	MIN	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, cucurbit	Watermelon	LOW	MIN	Weeding, Mechanical	0					
Vegetable, cucurbit	Watermelon	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, cucurbit	Watermelon	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, cucurbit	Watermelon	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, cucurbit	Watermelon	LOW	FULL	Training	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, fruiting	Eggplant	HIGH	FULL	Harvesting, Hand	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, fruiting	Eggplant	LOW	FULL	Harvesting, Hand	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, fruiting	Eggplant	LOW	FULL	Pruning, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, fruiting	Eggplant	LOW	FULL	Tying/Training	550	HH	ARF045	Cucumber	Hand Harvesting	45480301
							ARF049	Squash, Summer	Hand Harvesting	45491902
Vegetable, fruiting	Eggplant	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, fruiting	Eggplant	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, fruiting	Eggplant	HIGH	FULL	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, fruiting	Eggplant	LOW	FULL	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909



**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, fruiting	Eggplant	HIGH	FULL	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, fruiting	Eggplant	LOW	FULL	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, fruiting	Eggplant	LOW	MIN	Pruning, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, fruiting	Eggplant	LOW	MIN	Scouting	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, fruiting	Eggplant	LOW	MIN	Thinning Fruit	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, fruiting	Eggplant	LOW	MIN	Weeding, Hand	90	HS	ARF022	Sunflower	Scouting	45005909
Vegetable, fruiting	Eggplant	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, fruiting	Eggplant	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, fruiting	Eggplant	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, fruiting	Eggplant	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, fruiting	Eggplant	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, fruiting	Okra	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, fruiting	Okra	LOW	FULL	Tying/Training	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, fruiting	Okra	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, fruiting	Okra	LOW	FULL	Irrigation (non-hand set)	0	No TC				

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, fruiting	Okra	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, fruiting	Okra	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, fruiting	Okra	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, fruiting	Okra	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, fruiting	Okra	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, fruiting	Okra	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, fruiting	Okra	LOW	MIN	Weeding, Mechanical	0	No TC				
Vegetable, fruiting	Okra	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, fruiting	Okra	HIGH	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, fruiting	Okra	HIGH	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, fruiting	Pepper, bell	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, fruiting	Pepper, bell	LOW	FULL	Tying/Training	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, fruiting	Pepper, bell	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, fruiting	Pepper, bell	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, fruiting	Pepper, bell	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, fruiting	Pepper, bell	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, fruiting	Pepper, bell	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, fruiting	Pepper, bell	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, fruiting	Pepper, bell	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, fruiting	Pepper, bell	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, fruiting	Pepper, bell	LOW	MIN	Weeding, Mechanical	0	No TC				
Vegetable, fruiting	Pepper, bell	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, fruiting	Pepper, bell	HIGH	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, fruiting	Pepper, bell	HIGH	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, fruiting	Pepper, chili	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, fruiting	Pepper, chili	LOW	FULL	Pruning, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, fruiting	Pepper, chili	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, fruiting	Pepper, chili	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, fruiting	Pepper, chili	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, fruiting	Pepper, chili	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, fruiting	Pepper, chili	LOW	FULL	Weeding, Mechanical	0	No TC				

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, fruiting	Pepper, chili	LOW	FULL	Harvesting, Mechanical	0	No TC				
Vegetable, fruiting	Pepper, chili	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, fruiting	Pepper, chili	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, fruiting	Pepper, chili	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, fruiting	Pepper, chili	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, fruiting	Pepper, chili	LOW	MIN	Weeding, Mechanical	0	No TC				
Vegetable, fruiting	Pepper, chili	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, fruiting	Pepper, chili	HIGH	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, fruiting	Pepper, chili	HIGH	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, fruiting	Tomato	HIGH	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, fruiting	Tomato	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, fruiting	Tomato	HIGH	FULL	Pruning, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, fruiting	Tomato	LOW	FULL	Pruning, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, fruiting	Tomato	HIGH	FULL	Tying/Training	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, fruiting	Tomato	LOW	FULL	Tying/Training	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, fruiting	Tomato	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, fruiting	Tomato	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, fruiting	Tomato	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, fruiting	Tomato	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, fruiting	Tomato	HIGH	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, fruiting	Tomato	LOW	MIN	Pruning, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, fruiting	Tomato	LOW	MIN	Tying/Training	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, fruiting	Tomato	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, fruiting	Tomato	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, fruiting	Tomato	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, fruiting	Tomato	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, fruiting	Tomato	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, fruiting	Tomato	HIGH	MIN	Irrigation (non-hand set)	0	No TC				

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, fruiting	Tomato	HIGH	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, fruiting	Tomato, processing	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, fruiting	Tomato, processing	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, fruiting	Tomato, processing	LOW	FULL	Irrigation (non-hand set)		No TC				
Vegetable, fruiting	Tomato, processing	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, fruiting	Tomato, processing	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, fruiting	Tomato, processing	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, fruiting	Tomato, processing	LOW	FULL	Harvesting, Mechanical	0	No TC				
Vegetable, fruiting	Tomato, processing	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, fruiting	Tomato, processing	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, fruiting	Tomato, processing	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501



**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, head and stem Brassica	Broccoli	LOW	FULL	Scouting	4200	Wm	ARF011	Cauliflower	Scouting	45005906
							ARF012	Cauliflower	Hand Harvesting	45005907
							ARF037	Cabbage	Hand Weeding	45191701
Vegetable, head and stem Brassica	Broccoli	LOW	FULL	Harvesting, Hand	4200	Wm	ARF011	Cauliflower	Scouting	45005906
							ARF012	Cauliflower	Hand Harvesting	45005907
							ARF037	Cabbage	Hand Weeding	45191701
Vegetable, head and stem Brassica	Broccoli	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, head and stem Brassica	Broccoli	LOW	FULL	Weeding, Hand	4200	Wm	ARF011	Cauliflower	Scouting	45005906
							ARF012	Cauliflower	Hand Harvesting	45005907
							ARF037	Cabbage	Hand Weeding	45191701
Vegetable, head and stem Brassica	Broccoli	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, head and stem Brassica	Broccoli	LOW	MIN	Scouting	330	WIS	AR1008	Cauliflower	Scouting	42974501
Vegetable, head and stem Brassica	Broccoli	LOW	MIN	Thinning Plants	330	WIS	AR1008	Cauliflower	Scouting	42974501
Vegetable, head and stem Brassica	Broccoli	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, head and stem Brassica	Broccoli	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, head and stem Brassica	Broccoli	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, head and stem Brassica	Broccoli	LOW	MIN	Weeding, Hand	1400	WIH	ARF050	Cabbage	Hand Harvesting	45530102
Vegetable, head and stem Brassica	Broccoli	LOW	MIN	Fertilizing, Injection	0	No TC				
Vegetable, head and stem Brassica	Broccoli	LOW	MIN	Weeding, Mechanical	0	No TC				

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, head and stem Brassica	Brussels Sprouts	LOW	FULL	Scouting	4200	Wm	ARF011	Cauliflower	Scouting	45005906
							ARF012	Cauliflower	Hand Harvesting	45005907
							ARF037	Cabbage	Hand Weeding	45191701
Vegetable, head and stem Brassica	Brussels Sprouts	LOW	FULL	Harvesting, Hand	4200	Wm	ARF011	Cauliflower	Scouting	45005906
							ARF012	Cauliflower	Hand Harvesting	45005907
							ARF037	Cabbage	Hand Weeding	45191701
Vegetable, head and stem Brassica	Brussels Sprouts	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, head and stem Brassica	Brussels Sprouts	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, head and stem Brassica	Brussels Sprouts	LOW	FULL	Topping	4200	Wm	ARF011	Cauliflower	Scouting	42974501
							ARF012	Cauliflower	Hand Harvesting	
							ARF037	Cabbage	Hand Weeding	
Vegetable, head and stem Brassica	Brussels Sprouts	LOW	FULL	Weeding, Hand	4200	Wm	ARF011	Cauliflower	Scouting	45005906
							ARF012	Cauliflower	Hand Harvesting	45005907
							ARF037	Cabbage	Hand Weeding	45191701
Vegetable, head and stem Brassica	Brussels Sprouts	LOW	MIN	Scouting	330	WIS	AR1008	Cauliflower	Scouting	42974501
Vegetable, head and stem Brassica	Brussels Sprouts	LOW	MIN	Weeding, Hand	4200	Wm	ARF011	Cauliflower	Scouting	45005906
							ARF012	Cauliflower	Hand Harvesting	45005907
							ARF037	Cabbage	Hand Weeding	45191701
Vegetable, head and stem Brassica	Brussels Sprouts	LOW	MIN	Weeding, Mechanical	0	No TC				
Vegetable, head and stem Brassica	Brussels Sprouts	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, head and stem Brassica	Brussels Sprouts	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, head and stem Brassica	Brussels Sprouts	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, head and stem Brassica	Brussels Sprouts	HIGH	FULL	Harvesting, Hand	4200	Wm	ARF011	Cauliflower	Scouting	45005906
							ARF012	Cauliflower	Hand Harvesting	45005907
							ARF037	Cabbage	Hand Weeding	45191701
Vegetable, head and stem Brassica	Brussels Sprouts	HIGH	FULL	Scouting	4200	Wm	ARF011	Cauliflower	Scouting	45005906
							ARF012	Cauliflower	Hand Harvesting	45005907
							ARF037	Cabbage	Hand Weeding	45191701
Vegetable, head and stem Brassica	Cabbage	LOW	FULL	Scouting	1400	WIH	ARF050	Cabbage	Hand Harvesting	45530102
Vegetable, head and stem Brassica	Cabbage	LOW	FULL	Harvesting, Hand	1400	WIH	ARF050	Cabbage	Hand Harvesting	45530102
Vegetable, head and stem Brassica	Cabbage	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, head and stem Brassica	Cabbage	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, head and stem Brassica	Cabbage	LOW	FULL	Weeding, Hand	4200	Wm	ARF011	Cauliflower	Scouting	45005906
							ARF012	Cauliflower	Hand Harvesting	45005907
							ARF037	Cabbage	Hand Weeding	45191701
Vegetable, head and stem Brassica	Cabbage	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, head and stem Brassica	Cabbage	LOW	FULL	Harvesting, Mechanically-assisted	1400	WIH	ARF050	Cabbage	Hand Harvesting	
Vegetable, head and stem Brassica	Cabbage	LOW	MIN	Scouting	330	WIS	AR1008	Cauliflower	Scouting	42974501
Vegetable, head and stem Brassica	Cabbage	LOW	MIN	Thinning Plants	330	WIS	AR1008	Cauliflower	Scouting	42974501
Vegetable, head and stem Brassica	Cabbage	LOW	MIN	Weeding, Hand	1400	WIH	ARF050	Cabbage	Hand Harvesting	45530102
Vegetable, head and stem Brassica	Cabbage	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, head and stem Brassica	Cabbage	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, head and stem Brassica	Cabbage	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, head and stem Brassica	Cauliflower	LOW	FULL	Scouting	4200	Wm	ARF011	Cauliflower	Scouting	45005906
							ARF012	Cauliflower	Hand Harvesting	45005907
							ARF037	Cabbage	Hand Weeding	45191701
Vegetable, head and stem Brassica	Cauliflower	LOW	FULL	Harvesting, Hand	4200	Wm	ARF011	Cauliflower	Scouting	45005906
							ARF012	Cauliflower	Hand Harvesting	45005907
							ARF037	Cabbage	Hand Weeding	45191701
Vegetable, head and stem Brassica	Cauliflower	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, head and stem Brassica	Cauliflower	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, head and stem Brassica	Cauliflower	LOW	FULL	Tying/Training	4200	Wm	ARF011	Cauliflower	Scouting	45005906
							ARF012	Cauliflower	Hand Harvesting	45005907
							ARF037	Cabbage	Hand Weeding	45191701
Vegetable, head and stem Brassica	Cauliflower	LOW	FULL	Weeding, Hand	4200	Wm	ARF011	Cauliflower	Scouting	45005906
							ARF012	Cauliflower	Hand Harvesting	45005907
							ARF037	Cabbage	Hand Weeding	45191701
Vegetable, head and stem Brassica	Cauliflower	LOW	MIN	Scouting	330	WIS	AR1008	Cauliflower	Scouting	42974501
Vegetable, head and stem Brassica	Cauliflower	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, head and stem Brassica	Cauliflower	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, head and stem Brassica	Cauliflower	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, head and stem Brassica	Cauliflower	LOW	MIN	Fertilizing, Injection	0	No TC				
Vegetable, head and stem Brassica	Cauliflower	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, head and stem Brassica	Cauliflower	LOW	MIN	Weeding, Hand	1400	WIH	ARF050	Cabbage	Hand Harvesting	45530102
Vegetable, head and stem Brassica	Cauliflower	LOW	MIN	Thinning Plants	330	WIS	AR1008	Cauliflower	Scouting	42974501
Vegetable, leafy	Cabbage, chinese, Bok choy	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, leafy	Cabbage, chinese, Bok choy	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Cabbage, chinese, Bok choy	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, leafy	Cabbage, chinese, Bok choy	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Cabbage, chinese, Bok choy	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, leafy	Cabbage, chinese, Bok choy	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, leafy	Cabbage, chinese, Bok choy	LOW	FULL	Harvesting, Hand	1400	WIH	ARF050	Cabbage	Hand Harvesting	45530102
Vegetable, leafy	Cabbage, chinese, Bok choy	LOW	FULL	Scouting	1400	WIH	ARF050	Cabbage	Hand Harvesting	45530102
Vegetable, leafy	Cabbage, chinese, Bok choy	LOW	MIN	Weeding, Hand	1400	WIH	ARF050	Cabbage	Hand Harvesting	45530102

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, leafy	Cabbage, chinese, Bok choy	LOW	MIN	Scouting	330	WIS	AR1008	Cauliflower	Scouting	42974501
Vegetable, leafy	Cabbage, chinese, Bok choy	LOW	MIN	Thinning Plants	330	WIS	AR1008	Cauliflower	Scouting	42974501
Vegetable, leafy	Cabbage, chinese, Bok choy	LOW	FULL	Weeding, Hand	4200	Wm	ARF011	Cauliflower	Scouting	45005906
							ARF012	Cauliflower	Hand Harvesting	45005907
							ARF037	Cabbage	Hand Weeding	45191701
Vegetable, leafy	Celery	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Celery	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, leafy	Celery	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Celery	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, leafy	Celery	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Celery	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, leafy	Celery	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Celery	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, leafy	Celery	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Celery	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Celery	LOW	MIN	Weeding, Mechanical	0	No TC				
Vegetable, leafy	Celery	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, leafy	Cabbage, chinese, Napa	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, leafy	Cabbage, chinese, Napa	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Cabbage, chinese, Napa	LOW	MIN	Irrigation (non-hand set)		No TC				
Vegetable, leafy	Cabbage, chinese, Napa	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Cabbage, chinese, Napa	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, leafy	Cabbage, chinese, Napa	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, leafy	Cabbage, chinese, Napa	LOW	FULL	Harvesting, Hand	1400	WIH	ARF050	Cabbage	Hand Harvesting	45530102
Vegetable, leafy	Cabbage, chinese, Napa	LOW	FULL	Scouting	1400	WIH	ARF050	Cabbage	Hand Harvesting	45530102
Vegetable, leafy	Cabbage, chinese, Napa	LOW	MIN	Weeding, Hand	1400	WIH	ARF050	Cabbage	Hand Harvesting	45530102
Vegetable, leafy	Cabbage, chinese, Napa	LOW	MIN	Scouting	330	WIS	AR1008	Cauliflower	Scouting	42974501
Vegetable, leafy	Cabbage, chinese, Napa	LOW	MIN	Thinning Plants	330	WIS	AR1008	Cauliflower	Scouting	42974501
Vegetable, leafy	Cabbage, chinese, Napa	LOW	FULL	Weeding, Hand	4200	Wm	ARF011	Cauliflower	Scouting	45005906
							ARF012	Cauliflower	Hand Harvesting	45005907

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							ARF037	Cabbage	Hand Weeding	45191701
Vegetable, leafy	Collards	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Collards	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, leafy	Collards	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Collards	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, leafy	Collards	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Collards	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, leafy	Collards	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Collards	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, leafy	Collards	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Collards	LOW	MIN	Thinning Plants	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Collards	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502



**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, leafy	Collards	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Greens, leafy	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Greens, leafy	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, leafy	Greens, leafy	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Greens, leafy	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, leafy	Greens, leafy	LOW	MIN	Thinning Plants	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Greens, leafy	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Greens, leafy	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Greens, leafy	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Greens, leafy	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, leafy	Greens, leafy	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, leafy	Greens, leafy	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, leafy	Kale	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Kale	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, leafy	Kale	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Kale	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, leafy	Kale	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Kale	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, leafy	Kale	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Kale	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, leafy	Kale	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Kale	LOW	MIN	Thinning Plants	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, leafy	Kale	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Kale	LOW	MIN	Weeding, Mechanical	0	No TC				
Vegetable, leafy	Kale	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, leafy	Lettuce, leaf	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Lettuce, leaf	LOW	FULL	Irrigation (non-hand set)		No TC				
Vegetable, leafy	Lettuce, leaf	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Lettuce, leaf	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, leafy	Lettuce, leaf	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Lettuce, leaf	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Lettuce, leaf	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, leafy	Lettuce, leaf	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Lettuce, leaf	LOW	MIN	Thinning Plants	70	SW	AR1006	Cotton	Hand Weeding	42851302

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Lettuce, leaf	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Lettuce, leaf	LOW	MIN	Weeding, Mechanical	0	No TC				
Vegetable, leafy	Lettuce, leaf	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, leafy	Mustard Green	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, leafy	Mustard Green	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Mustard Green	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, leafy	Mustard Green	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Mustard Green	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, leafy	Mustard Green	LOW	FULL	Harvesting, Mechanical	0	No TC				
Vegetable, leafy	Mustard Green	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, leafy	Mustard Green	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, leafy	Mustard Green	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Mustard Green	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Mustard Green	LOW	MIN	Thinning Plants	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Mustard Green	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Mustard Green	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Parsley	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Parsley	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, leafy	Parsley	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Parsley	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, leafy	Parsley	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, leafy	Parsley	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, leafy	Parsley	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Parsley	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, leafy	Parsley	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Parsley	LOW	MIN	Thinning Plants	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Parsley	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Parsley	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, leafy	Parsley	LOW	FULL	Harvesting, Mechanical	0	No TC				
Vegetable, leafy	Spinach	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Spinach	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, leafy	Spinach	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Spinach	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, leafy	Spinach	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Spinach	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, leafy	Spinach	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Spinach	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, leafy	Spinach	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Spinach	LOW	MIN	Thinning Plants	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Spinach	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Spinach	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, leafy	Swiss Chard	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, leafy	Swiss Chard	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Swiss Chard	LOW	MIN	Irrigation (non-hand set)	0	No TC				

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, leafy	Swiss Chard	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Swiss Chard	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, leafy	Swiss Chard	LOW	FULL	Harvesting, Mechanical	0	No TC				
Vegetable, leafy	Swiss Chard	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, leafy	Swiss Chard	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, leafy	Swiss Chard	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Swiss Chard	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Swiss Chard	LOW	MIN	Thinning Plants	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Swiss Chard	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Swiss Chard	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Watercress	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Watercress	LOW	FULL	Irrigation (non-hand set)	0	No TC				



**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, leafy	Watercress	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Watercress	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, leafy	Watercress	LOW	MIN	Thinning Plants	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Watercress	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Watercress	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, leafy	Watercress	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, leafy	Watercress	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, leafy	Watercress	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, leafy	Watercress	LOW	FULL	Weeding, Mechanical	0	No TC				
Vegetable, stem / stalk	Artichoke,	HIGH	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
	globe						AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, stem / stalk	Artichoke, globe	LOW	FULL	Pruning, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, stem / stalk	Artichoke, globe	HIGH	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, stem / stalk	Artichoke, globe	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, stem / stalk	Artichoke, globe	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, stem / stalk	Artichoke, globe	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, stem / stalk	Artichoke, globe	HIGH	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, stem / stalk	Artichoke, globe	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, stem / stalk	Artichoke, globe	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vegetable, stem / stalk	Artichoke, globe	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, stem / stalk	Artichoke, globe	LOW	MIN	Thinning Plants	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, stem / stalk	Artichoke, globe	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, stem / stalk	Artichoke, globe	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, stem / stalk	Artichoke, globe	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, stem / stalk	Artichoke, globe	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, stem / stalk	Artichoke, globe	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, stem / stalk	Asparagus	HIGH	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, stem / stalk	Asparagus	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, stem / stalk	Asparagus	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, stem / stalk	Asparagus	HIGH	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, stem / stalk	Asparagus	HIGH	FULL	Weeding, Mechanical	0	No TC				
Vegetable, stem / stalk	Asparagus	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, stem / stalk	Asparagus	LOW	MIN	Irrigation (non-hand set)	0	No TC				

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vegetable, stem / stalk	Asparagus	LOW	MIN	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, stem / stalk	Asparagus	LOW	MIN	Fertilizing	0	No TC				
Vegetable, stem / stalk	Asparagus	LOW	MIN	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, stem / stalk	Asparagus	LOW	MIN	Weeding, Mechanical	0	No TC				
Vegetable, stem / stalk	Asparagus	LOW	MIN	Harvesting	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, stem / stalk	Asparagus	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vegetable, stem / stalk	Asparagus	LOW	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vegetable, stem / stalk	Asparagus	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, stem / stalk	Asparagus	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, stem / stalk	Asparagus	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vegetable, stem / stalk	Pineapple	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vegetable, stem / stalk	Pineapple	LOW	FULL	Harvesting, Hand	1100	SH	AR1001	Strawberry	Hand Harvesting	43013003

Transfer Coefficient Table										
Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients										
Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							AR1023	Tomato, Fresh	Hand Harvesting	40966503
							AR1024	Strawberry	Hand Harvesting	40966502
							ARF051	Tomato, Fresh	Tying	45530103
Vegetable, stem / stalk	Pineapple	LOW	FULL	Scouting	210	SSr	AR1025	Cotton	Scouting	42851302
							AR1027	Tomato, Fresh	Scouting	42974501
Vegetable, stem / stalk	Pineapple	LOW	FULL	Weeding, Hand	70	SW	AR1006	Cotton	Hand Weeding	42851302
							AR1018	Cotton	Hand Weeding	42689103
							AR1019	Beans/Peas, Dry	Hand Weeding	42689104
Vine / trellis	Blackberry	HIGH	FULL	Scouting	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Blackberry	HIGH	FULL	Harvesting, Hand	1400	THb	ARF020	Blackberry	Hand Harvesting	46405901
Vine / trellis	Blackberry	HIGH	FULL	Pruning, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Blackberry	HIGH	FULL	Tying/Training	1400	THb	ARF020	Blackberry	Hand Harvesting	46405901
Vine / trellis	Blackberry	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vine / trellis	Blackberry	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Vine / trellis	Blackberry	HIGH	FULL	Weeding, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Blackberry	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Vine / trellis	Blackberry	LOW	MIN	Scouting	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Blackberry	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vine / trellis	Blackberry	HIGH	MIN	Burndown	0	No TC				
Vine / trellis	Blackberry	LOW	MIN	Frost Control	0	No TC				

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vine / trellis	Blackberry	LOW	MIN	Weeding, Mechanical	0	No TC				
Vine / trellis	Blackberry	HIGH	FULL	Weeding, Mechanical	0	No TC				
Vine / trellis	Blackberry	LOW	MIN	Pruning, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Blackberry	HIGH	MIN	Pruning, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Blackberry	LOW	FULL	Scouting	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Blackberry	HIGH	MIN	Scouting	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Blackberry	LOW	MIN	Tying/Training	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Blackberry	HIGH	MIN	Tying/Training	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Blackberry	LOW	FULL	Weeding, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Blueberry, highbush	HIGH	FULL	Scouting	640	TP	ARF024	Grapes, Table/Raisin	Scouting	45005911
Vine / trellis	Blueberry, highbush	HIGH	FULL	Harvesting, Hand	1400	THb	ARF020	Blackberry	Hand Harvesting	46405901
Vine / trellis	Blueberry, highbush	HIGH	FULL	Pruning, Hand	640	TP	ARF024	Grapes, Table/Raisin	Scouting	45005911
Vine / trellis	Blueberry, highbush	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vine / trellis	Blueberry, highbush	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Vine / trellis	Blueberry, highbush	HIGH	FULL	Weeding, Hand	640	TP	ARF024	Grapes, Table/Raisin	Scouting	45005911
Vine / trellis	Blueberry, highbush	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Vine / trellis	Blueberry, highbush	HIGH	FULL	Weeding, Mechanical	0	No TC				
Vine / trellis	Blueberry, highbush	HIGH	MIN	Pruning, Hand	640	TP	ARF024	Grapes, Table/Raisin	Scouting	45005911
Vine / trellis	Blueberry, highbush	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vine / trellis	Blueberry, highbush	LOW	MIN	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vine / trellis	Blueberry, highbush	LOW	MIN	Irrigation (non-hand set)	0	No TC				
Vine / trellis	Blueberry, highbush	LOW	FULL	Harvesting, Hand	1400	THb	ARF020	Blackberry	Hand Harvesting	46405901
Vine / trellis	Blueberry, highbush	LOW	MIN	Pruning, Hand	640	TP	ARF024	Grapes, Table/Raisin	Scouting	45005911
Vine / trellis	Blueberry, highbush	LOW	FULL	Pruning, Hand	640	TP	ARF024	Grapes, Table/Raisin	Scouting	45005911
Vine / trellis	Blueberry, highbush	LOW	FULL	Scouting	640	TP	ARF024	Grapes, Table/Raisin	Scouting	45005911
Vine / trellis	Blueberry, highbush	HIGH	FULL	Bird Control	640	TP	ARF025	Grapes, Table/Raisin	Scouting	45005912
Vine / trellis	Blueberry, highbush	LOW	FULL	Weeding, Hand	640	TP	ARF024	Grapes, Table/Raisin	Scouting	45005911
Vine / trellis	Blueberry, highbush	LOW	MIN	Frost Control	640	TP	ARF024	Grapes, Table/Raisin	Scouting	45005911
Vine / trellis	Grape, juice	HIGH	FULL	Scouting	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Grape, juice	HIGH	FULL	Tying/Training	10100	THjg (EPA)	ARF048	Grapes, Wine	Hand Harvesting	45491901
Vine / trellis	Grape, juice	HIGH	FULL	Harvesting, Hand	10100	THjg (EPA)	ARF048	Grapes, Wine	Hand Harvesting	45491901
Vine / trellis	Grape, juice	HIGH	FULL	Pruning, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Grape, juice	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vine / trellis	Grape, juice	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Vine / trellis	Grape, juice	HIGH	FULL	Weeding, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Grape, juice	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Vine / trellis	Grape, juice	HIGH	FULL	Weeding, Mechanical	0	No TC				
Vine / trellis	Grape, juice	HIGH	MIN	Tying/Training	10100	THjg (EPA)	ARF048	Grapes, Wine	Hand Harvesting	45491901
Vine / trellis	Grape, juice	HIGH	MIN	Scouting	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Grape, juice	LOW	MIN	Scouting	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vine / trellis	Grape, juice	LOW	MIN	Weeding, Mechanical	0	No TC				
Vine / trellis	Grape, juice	LOW	MIN	Propagating	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Grape, juice	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vine / trellis	Grape, juice	HIGH	FULL	Burndown	0	No TC				
Vine / trellis	Grape, juice	HIGH	FULL	Ditching	0	No TC				
Vine / trellis	Grape, juice	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vine / trellis	Grape, juice	HIGH	MIN	Pruning, Mechanical	0	No TC				
Vine / trellis	Grape, juice	HIGH	FULL	Leaf Pulling	10100	THjg (EPA)	ARF048	Grapes, Wine	Hand Harvesting	45491901
Vine / trellis	Grape, juice	HIGH	FULL	Bird Control	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Grape, juice	LOW	MIN	Trellis Repair	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Grape, juice	LOW	MIN	Tying/Training	10100	THjg (EPA)	ARF048	Grapes, Wine	Hand Harvesting	45491901
Vine / trellis	Grape, juice	LOW	FULL	Tying/Training	10100	THjg (EPA)	ARF048	Grapes, Wine	Hand Harvesting	45491901
Vine / trellis	Grape, wine	HIGH	FULL	Scouting	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Grape, wine	HIGH	FULL	Tying/Training	10100	THjg (EPA)	ARF048	Grapes, Wine	Hand Harvesting	45491901
Vine / trellis	Grape, wine	HIGH	FULL	Harvesting, Hand	10100	THjg (EPA)	ARF048	Grapes, Wine	Hand Harvesting	45491901
Vine / trellis	Grape, wine	HIGH	FULL	Pruning, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Grape, wine	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vine / trellis	Grape, wine	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Vine / trellis	Grape, wine	HIGH	FULL	Weeding, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910



**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vine / trellis	Grape, wine	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Vine / trellis	Grape, wine	HIGH	FULL	Weeding, Mechanical	0	No TC				
Vine / trellis	Grape, wine	HIGH	MIN	Tying/Training	10100	THjg (EPA)	ARF048	Grapes, Wine	Hand Harvesting	45491901
Vine / trellis	Grape, wine	HIGH	MIN	Scouting	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Grape, wine	LOW	MIN	Scouting	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Grape, wine	LOW	MIN	Weeding, Mechanical	0	No TC				
Vine / trellis	Grape, wine	LOW	MIN	Propagating	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Grape, wine	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vine / trellis	Grape, wine	HIGH	FULL	Burndown	0	No TC				
Vine / trellis	Grape, wine	HIGH	FULL	Ditching	0	No TC				
Vine / trellis	Grape, wine	LOW	FULL	Irrigation (non-hand set)	0	No TC				
Vine / trellis	Grape, wine	HIGH	MIN	Pruning, Mechanical	0	No TC				
Vine / trellis	Grape, wine	HIGH	FULL	Leaf Pulling	10100	THjg (EPA)	ARF048	Grapes, Wine	Hand Harvesting	45491901
Vine / trellis	Grape, wine	HIGH	FULL	Bird Control	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Grape, wine	LOW	MIN	Trellis Repair	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Grape, wine	LOW	MIN	Tying/Training	10100	THjg (EPA)	ARF048	Grapes, Wine	Hand Harvesting	45491901
Vine / trellis	Grape, wine	LOW	FULL	Tying/Training	10100	THjg (EPA)	ARF048	Grapes, Wine	Hand Harvesting	45491901
Vine / trellis	Grape, raisin	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vine / trellis	Grape, raisin	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Vine / trellis	Grape, raisin	HIGH	FULL	Scouting	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vine / trellis	Grape, raisin	HIGH	FULL	Tying/Training	5500	THtg (EPA)	AR1020	Grapes, Table/Raisin	Hand Harvesting	43223907
							AR1022	Grapes, Table/Raisin	Hand Harvesting	40985601
Vine / trellis	Grape, raisin	HIGH	FULL	Harvesting, Hand	5500	THtg (EPA)	AR1020	Grapes, Table/Raisin	Hand Harvesting	43223907
							AR1022	Grapes, Table/Raisin	Hand Harvesting	40985601
Vine / trellis	Grape, raisin	HIGH	FULL	Pruning, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Grape, raisin	HIGH	FULL	Leaf Pulling	5500	THtg (EPA)	AR1020	Grapes, Table/Raisin	Hand Harvesting	43223907
							AR1022	Grapes, Table/Raisin	Hand Harvesting	40985601
Vine / trellis	Grape, raisin	HIGH	FULL	Weeding, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Grape, raisin	LOW	MIN	Tying/Training	5500	THtg (EPA)	AR1020	Grapes, Table/Raisin	Hand Harvesting	43223907
							AR1022	Grapes, Table/Raisin	Hand Harvesting	40985601
Vine / trellis	Grape, raisin	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vine / trellis	Grape, table	HIGH	FULL	Girdling	19300	Tx	AR1015	Grapes, Table/Raisin	Cane Turning	40975304
Vine / trellis	Grape, table	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vine / trellis	Grape, table	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Vine / trellis	Grape, table	HIGH	FULL	Scouting	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Grape, table	HIGH	FULL	Turning	19300	Tx	AR1015	Grapes, Table/Raisin	Cane Turning	40975304
Vine / trellis	Grape, table	HIGH	FULL	Tying/Training	5500	THtg (EPA)	AR1020	Grapes, Table/Raisin	Hand Harvesting	43223907
							AR1022	Grapes, Table/Raisin	Hand Harvesting	40985601
Vine / trellis	Grape, table	HIGH	FULL	Harvesting, Hand	5500	THtg (EPA)	AR1020	Grapes, Table/Raisin	Hand Harvesting	43223907

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
							AR1022	Grapes, Table/Raisin	Hand Harvesting	40985601
Vine / trellis	Grape, table	HIGH	FULL	Pruning, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Grape, table	HIGH	FULL	Leaf Pulling	5500	THtg (EPA)	AR1020	Grapes, Table/Raisin	Hand Harvesting	43223907
							AR1022	Grapes, Table/Raisin	Hand Harvesting	40985601
Vine / trellis	Grape, table	HIGH	FULL	Weeding, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Grape, table	LOW	MIN	Tying/Training	5500	THtg (EPA)	AR1020	Grapes, Table/Raisin	Hand Harvesting	43223907
							AR1022	Grapes, Table/Raisin	Hand Harvesting	40985601
Vine / trellis	Grape, table	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vine / trellis	Kiwifruit	HIGH	FULL	Scouting	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Kiwifruit	HIGH	FULL	Harvesting, Hand	10100	THJg (EPA)	ARF048	Grapes, Wine	Hand Harvesting	45491901
Vine / trellis	Kiwifruit	HIGH	FULL	Pruning, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Kiwifruit	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Vine / trellis	Kiwifruit	HIGH	FULL	Weeding, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Kiwifruit	HIGH	FULL	Weeding, Mechanical	0	No TC				
Vine / trellis	Kiwifruit	HIGH	MIN	Tying/Training	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Kiwifruit	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vine / trellis	Raspberry	HIGH	FULL	Scouting	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910

**Transfer Coefficient Table**  
**Post-application Agricultural Crop-Activity Combinations and Recommended Transfer Coefficients**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient (cm <sup>2</sup> /hr)	Exposure Study Information				
						ARTF Data Cluster		Crop	Activity	EPA MRID
						Code	Study ID			
Vine / trellis	Raspberry	HIGH	FULL	Harvesting, Hand	1400	THb	ARF020	Blackberry	Hand Harvesting	46405901
Vine / trellis	Raspberry	HIGH	FULL	Pruning, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Raspberry	HIGH	FULL	Tying/Training	1400	THb	ARF020	Blackberry	Hand Harvesting	46405901
Vine / trellis	Raspberry	HIGH	FULL	Irrigation (hand set)	1900	I	ARF036	Potato	Irrigation	45726301
Vine / trellis	Raspberry	HIGH	FULL	Irrigation (non-hand set)	0	No TC				
Vine / trellis	Raspberry	HIGH	FULL	Weeding, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Raspberry	HIGH	FULL	Harvesting, Mechanical	0	No TC				
Vine / trellis	Raspberry	LOW	MIN	Scouting	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Raspberry	LOW	MIN	Transplanting	230	GN	ARF039	Chrysanthemums	Pinching	45344501
							ARF043	Nursery Citrus	Pruning	45469501
							ARF044	Nursery Citrus	Hand Harvesting	45469502
Vine / trellis	Raspberry	HIGH	MIN	Burndown	0	No TC				
Vine / trellis	Raspberry	LOW	MIN	Frost Control	0	No TC				
Vine / trellis	Raspberry	LOW	MIN	Weeding, Mechanical	0	No TC				
Vine / trellis	Raspberry	HIGH	FULL	Weeding, Mechanical	0	No TC				
Vine / trellis	Raspberry	LOW	MIN	Pruning, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Raspberry	HIGH	MIN	Pruning, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Raspberry	LOW	FULL	Scouting	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Raspberry	HIGH	MIN	Scouting	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Raspberry	LOW	MIN	Tying/Training	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Raspberry	HIGH	MIN	Tying/Training	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910
Vine / trellis	Raspberry	LOW	FULL	Weeding, Hand	640	TP	ARF023	Grapes, Table/Raisin	Scouting	45005910

**Non-Foliar Transfer Coefficient Table**

Crop Group	Crop	Crop Height	Foliage Density	Activity	Transfer Coefficient		Exposure Study Information				
							ARTF Data Cluster		Crop	Activity	EPA MRID
							Code	Study ID			
Field / row crop, low / medium	Cotton	HIGH	MIN	Harvesting, Mechanical (Module Builder Operator)	900 gm cotton boll/hr	Harvesting occurs following defoliation. Exposure results from contacting cotton bolls. Estimate of dislodgeable residue on cotton bolls (ug ai/gm cotton boll) is necessary to calculate exposure.	CHm	AR1004	Cotton	Harvesting, Mechanical	42701601
Field / row crop, low / medium	Cotton	HIGH	MIN	Harvesting, Mechanical (Picker Operator)	2400 gm cotton boll/hr		CHp	AR1004	Cotton	Harvesting, Mechanical	42701601
Field / row crop, low / medium	Cotton	HIGH	MIN	Harvesting, Mechanical (Raker)	2400 gm cotton boll/hr		CHp	AR1004	Cotton	Harvesting, Mechanical	42701601
Field / row crop, low / medium	Cotton	HIGH	MIN	Harvesting, Mechanical (Tramper)	5050 gm cotton boll/hr		CHt	AR1004	Cotton	Harvesting, Mechanical	42701601
Tree, "fruit", deciduous	All	HIGH	MIN	Pruning, Hand (dormant)	Transfer coefficients for dormant pruning are unavailable. Assessment options include requesting exposure data or a qualitative comparison with a post-application exposure scenario assumed to result in higher exposure. Note that dislodgeable branch or bark residue would be needed for an exposure assessment, as this would be the surface contacted by workers performing this activity.						
Tree, "fruit", evergreen	All										
Tree, "nut"	All										
Vegetable, "root"	Potato	LOW	MIN	Harvest, Hand	Harvesting occurs following defoliation, and exposure results via contact with residues in the soil, for which transfer coefficients are currently unavailable. Assessment options include requesting exposure data or a qualitative comparison with a post-application exposure scenario assumed to result in higher exposure. Note that dislodgeable soil residue would be needed for an exposure assessment, as this would be the media contacted by worker's performing this activity. A study monitoring exposure to juvenile potato harvesters is available ( <i>Youth in Agriculture: Dermal and Respiratory Exposure Assessment of Juvenile Potato Harvesters, Aroonstock County Maine</i> , Medical University of South Carolina, 1982), however has yet to be evaluated for derivation of transfer coefficients.						
Vegetable, "root"	Potato, Sweet										
Vegetable, "root"	Onion, bulb										
Tree, "nut"	All (except Pistachio and Olive)	HIGH	FULL	Mechanical Sweeping	Exposure during nut sweeping and windrowing results from contact with soil, for which transfer coefficients are currently unavailable. Assessment options include requesting exposure data or a qualitative comparison with a post-application exposure scenario assumed to result in higher exposure. Note that dislodgeable soil residue would be needed for an exposure assessment, as this would be the media contacted by worker's performing this activity. A study monitoring such exposure is available ( <i>Exposure of Workers During Reentry into Pecan Groves Treated with Super-Tim 80WP</i> , Griffin Corporation, 1994; EPA MRID 43557401), however has yet to be evaluated for derivation of transfer coefficients.						
				Mechanical Windrowing							