# PHASE 2 SOIL FUMIGATION MANAGEMENT PLAN (DAZOMET PRODUCTS)

#### **FMP Elements:**

- I. Certified Applicator Supervising the Application
- II. General Site Information
- III. Application Block Owner Information
- IV. Recordkeeping
- V. General Application Information
- VI. Buffer Zones
- VII. Emergency Response Plan
- VIII. Communication Between Applicator, Owner and Other On-site Handlers
- IX. Handler Information
- X. Tarp Plan
- XI. Soil Conditions
- XII. Posting Signs Fumigant Treated Area and Buffer Zone
- XIII. Emergency Preparedness and Response Measures
- XIV. State and/or Tribal Lead Agency Advance Notification
- XV. Air Monitoring Plan
- XVI. Good Agricultural Practices (GAPs)

☐ Site Map, aerial photo or detailed sketch
☐ Description of evacuation routes (this can be included in the site map)
☐ Written agreement, if the buffer zone extends onto land not under the control of the
owner of the application block
☐ Handler Information (Use EPA's Microsoft Word or PDF template)
$\square$ GAPs
☐ Other:

Check the boxes if the information below is attached as a separate document to the FMP.

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The below text fields will expand as the text is entered. After completing each field, use *Tab key* to go to next text field or check box.

I. Certified Applicator Supervising t	the Application					
Name:	Phone number:		l/or certific	ate number:	☐ Commercial applicator	
Carlos Gomez	(800) 986-4521	,				
Employer name: Florida Fumigation Co.						
Date and location of completing EPA a			m: 8/4/10 d	online		
II. General Site Information	11	- 8 F - 8		-		
Application block location (e.g., county	y, township-range-section quac	drant), address	s, or global	positioning sy	ystem (GPS) coordinates:	
Fumigation the fairway of Hole 1					, ,	
Site map, aerial photo attached to the FMP or detailed sketch provided below that shows (application block location, application block dimensions, buffer zone dimensions, property lines, roadways, rights-of-ways, sidewalks, permanent walking paths, bus stops, nearby application blocks, surrounding structures (occupied and non-occupied), locations of Buffer Zone signs, and locations of difficult to evacuate sites within ¼ mile of the application block if the buffer zone is greater than 300 feet, or 1/8 mile if the buffer zone is 300 feet or less).  Comments: Difficult to evacuate site identified on Map 2. State licensed day care center within 660 feet of the application block. Contacted manager of the Tiny Tots Day Care (610-867-5309) on 10/28/10 and verified children would not be at center on Saturday, 11/6/10, the day of application.						
III. Application Block Owner Inform	mation					
Name: Chip Smith	Address: Smith Go	If Course		Phone number	er: <b>(800) 852-4521</b>	
Traine. Cimp Cimin	3249 Fairway Lane		33193	Thone name.	si. (000) 002 1021	
IV. Recordkeeping						
☐ The owner of the application block site-specific FMP and the post-applicat				applicator must	t keep a signed copy of the	
V. General Application Information	·	<u> </u>	<u> </u>			
Target application date/window:	EPA Registration Nur	mber: I	Fumigant F	Product Name:		
November 6, 2010	5481-9027	E	Basamid	G		
VI. Buffer Zones	<u>.</u>					
Application method:  Mechanically incorporated Water Incorporated (Surface) Greenhouse Mechanically incorporated – golf course fairways	Application Rate from buffer zone table on the (if the rate used is not buffer zone table, rour the next value): 525 l Basamid/A	he label, in the nd up to	the label, (i		rom the buffer zone table on the is not in the buffer zone tot value): <b>1 A</b>	
Credits applied and measurements taken (if applicable):  Organic matter content: (measurement), %  Clay content: (measurement), %  Soil temperature: (measurement), %						
Total credits: <b>0</b> %	,					
Buffer zone distance: 25 ft						
Are there areas in the buffer zone that are not under the control of the owner of the application block?   Yes   No						
If yes, describe the areas and attach the written agreement to the FMP.						
VII. Emergency Response Plan						
Description of evacuation routes (a diagram or drawing may be attached to the FMP): Everyone should move upwind to the closest intersection  Check here if diagram or drawing is attached or if the evacuation routes are included in the site map						
Locations of telephones: Cell phone to be kept with certified applicator.						
Contact information for first responder	<u> </u>		ederal cont	acts: FDACS	6 (850-617-7900)	
Emergency procedures/responsibilities in case of an incident, sensory irritation is experienced outside of the buffer zone and/or there are equipment/tarp/seal failure, complaints or other emergencies: All handlers must report any problems to the certified						

applicator supervising the application, w	ho will decide if a	additional action mu	st be taken.				
VIII. Communication Between Applicator, C	wner, and Other (	On-site Handlers					
Pesticide product labels and material safety d			vailable for employees to review.				
	Will the certified applicator be at the application site during all handler activities that take place after the application is complete until the entry restricted period expires? Yes No						
If no, describe how the certified applicator will sapplication block after the application is comple persons contacted as well as the date they were	te until the entry res						
IX. Handler Information (use EPA's Microso	ft Word or PDF vers	sion of the handler infor	mation template)				
☐ Information for all handlers is attached to the							
<ul> <li>         ☐ At minimum 1 handler has the proper respiration of the proper respirati</li></ul>	tors and cartridges/		vear one				
X. Tarp Plan (check here if section is not app	olicable 🔯)						
Schedule for checking tarps for damage, tears, a	nd other problems:						
Minimum size of damage that will be repaired:							
Factors used to determine when tarp repair will		_					
To Provide the Control of the Contro	mechanical:	hand:					
Target dates for perforating tarps:							
Target dates for removing tarps:							
XI. Soil Conditions							
Soil Texture: Clay loam	102.05	64 04					
<u>Soil Temperature</u> : Has the air temperature been If yes, record the soil temperature measurement:		y of the 3 days prior to a	application? Yes or No				
Soil Moisture: (check the box of the method use		oil moistura)					
USDA Feel and Appearance Method   ✓	Instrument	on moisture)	Other 🗆				
Description of soil: <b>Fine</b>	Instrument used:		Describe method:				
Percent water capacity estimate: <b>50-75%</b>	Percent water capa	icity:	Percent water capacity:				
XII. Posting Signs – Fumigant Treated Area and Buffer Zone							
Name(s) of person(s) posting and removing Fumigant Treated Area and Buffer Zone signs: <b>Carlos Gomez</b>							
Location of Buffer Zone signs: See attached map for locations of signs.							
XIII. Emergency Preparedness and Response			plicable 🔯)				
If Emergency Preparedness and Response Meas	ures are triggered, cl	heck the option below th	hat will be used:				
☐ Fumigant site monitoring or ☐ Response in							
Fumigant site monitoring (if applicable)		Response information	n for neighbors (if applicable)				
List when and where it will be conducted:		List residences and bu	voinassas informadi				
List when and where it will be conducted.			ashesses informed.				
		I vame and phone num	ioei of person providing the information.				
List the method of providing the information:							
XIV. State and/or Tribal Lead Agency Advance Notification (check here if section is not applicable \( \subseteq \)							
Date notified:							
Person notified:							
XV. Air Monitoring Plan							
If monitoring indicates air concentrations greate the application block.	r than or equal to 60	0 ppb (0.6 ppm ) for da	zomet, handlers must stop work and leave				
If sensory irritation is experienced check which							
☐ Intend to cease operations or ☐ Intend to continue operations with respiratory protection							
Handler Tasks to be Monitored	Monitoring Equ	_	Timing				
Tractor Driver							
XVI. Good Agricultural Practices (GAPs)							
Check here if applicable mandatory GAPs a GAPs). If this box is not checked, the checklist			y of the label highlighting the applicable				
Weather Conditions     ■							

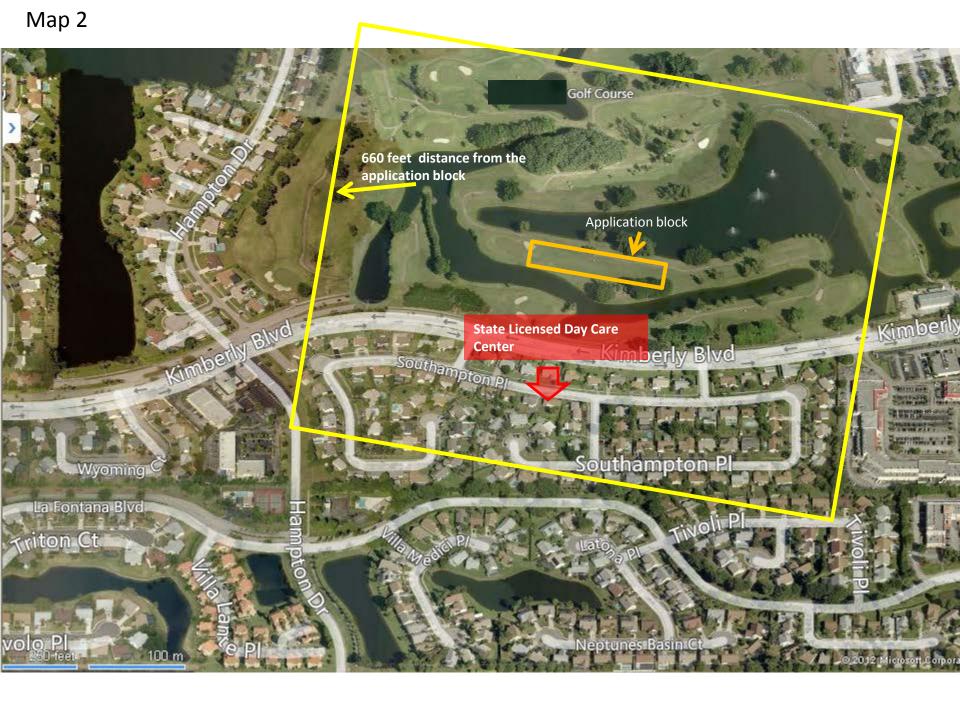
<ul><li>☑ Application Restrictions</li><li>☑ Water Requirements</li></ul>
Description of other product specific GAPs from label that will be followed:
Before beginning the fumigation, I have verified that this site-specific FMP reflects current site conditions and product label directions.
Signature of certified applicator supervising the application  Date

## **Handler Information**

Handler Name, Address, and Phone Number	Employer Name, Address, and Phone Number	Tasks Handlers are Trained and Authorized to Perform* (check number(s) from below)	PPE (check all that apply)	Respirator Information (leave blank if "no respirator" is checked under PPE)		
Carlos Gomez	Florida Fumigation	<u>⊠</u> 1	☐ Long-sleeved shirt/long-pants,	Make: Survivair		
456 Gator Street	Co.	<u>⊠</u> 2	shoes, socks	Model: Opt-Fit		
Miami, FL 33193	1532 Burke Ave.	₹ 3	Chemical-resistant apron	Type: APR		
	Troy, FL 29892	<u>⊠</u> 4	Chemical-resistant footwear and	Style: full-face		
(123)456-7890	(800)986-4521	∑ 5	socks	Size: small		
		<u>⊠</u> 6	Protective eyewear (NOT goggles)	Cartridge type: Survivair Acid		
		7	Chemical-resistant gloves	Gas/Organic Vapor Cartridges		
				Fit test date: March 3, 2010		
		$\square$ 10	☐ Other: ☐ No respirator	Training date: March 3, 2010		
				Medical date: March 3, 2010  Make:		
		L L 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PPE training date: <b>6/1/10</b>	Make: Model:		
			112 duming date. William	Type:		
				Style:		
				Size:		
				Cartridge type:		
				Fit test date:		
				Training date:		
				Medical date:		
				Make:		
				Model:		
				Type:		
				Style:		
				Size:		
				Cartridge type:		
				Fit test date:		
				Training date:		
				Medical date:		
The above handler has received Fumigant Safe Handling information within the past 12 months.						
*1. Loaders, drivers, tractor co-pilots, sho			6. Monitoring fumigant air concentration			
<ul><li>2. Cleaning up fumigant spills (does not i</li><li>3. Tasks with liquid contact potential</li></ul>	include emergency personnel not ass	octated with the application)	7. Handling or disposing of fumigant co	ontainers airing equipment that may contain fumigant residues		
4. Installing, perforating or removing tar	ps			noving irrigation equipment in the application block or		
5. Repairing or monitoring tarps until 14 of		e if tarps are not perforated and ren				
during those 14 days.			0 0 1	or monitoring tasks in the application block or buffer		
			zone 11. Performing other WPS handling tas	ks		
Comments/notes:						

Handler Name, Address, and Phone Number	Employer Name, Address, and Phone Number	Tasks Handlers are Trained and Authorized to Perform* (check number(s) from below)	PPE (check all that apply)	Respirator Information (leave blank if "no respirator" is checked under PPE)			
Roger Dell 789 Sunny Ave. Miami, FL 33193 (987)654-3210	Florida Fumigation Co. 1532 Burke Ave. Troy, FL 29892 (800)986-4521	⊠1         ⊠2         ⊠3         □4         □5         ⊠6         ☒7         ☒8         ☒9         ☒10         ☐11	<ul> <li>☑ Long-sleeved shirt/long-pants, shoes, socks</li> <li>☑ Chemical-resistant apron</li> <li>☑ Chemical-resistant footwear and socks</li> <li>☑ Protective eyewear (NOT goggles)</li> <li>☑ Chemical-resistant gloves</li> <li>☑ Air-purifying respirator</li> <li>☐ Other:</li> <li>☐ No respirator</li> <li>PPE training date: 6/1/10</li> </ul>	Make: Survivair Model: Opt-Fit Type: APR Style: full-face Size: small Cartridge type: Survivair Acid Gas/Organic Vapor Cartridges Fit test date: March 3, 2010 Training date: March 3, 2010 Medical date: March 3, 2010 Make: Model: Type: Style: Size: Cartridge type: Fit test date: Training date: Medical date: Make: Model: Type: Style: Size: Cartridge type: Fit test date: Cartridge type: Style: Size: Cartridge type: Style: Size: Cartridge type:			
				Fit test date: Training date: Medical date:			
☐ The above handler has received Fumigant Safe Handling information within the past 12 months.							
*1. Loaders, drivers, tractor co-pilots, shovelers, cross-ditchers, or other direct application participants 2. Cleaning up fumigant spills (does not include emergency personnel not associated with the application) 3. Tasks with liquid contact potential 4. Installing, perforating or removing tarps 5. Repairing or monitoring tarps until 14 days after the application is complete if tarps are not perforated and removed during those 14 days.  6. Monitoring fumigant air concentrations 7. Handling or disposing of fumigant containers 8. Cleaning, handling, adjusting, or repairing equipment that may contain fumigant residues 9. Installing, repairing, operating, or removing irrigation equipment in the application block or buffer zone 10. Performing scouting, crop advising, or monitoring tasks in the application block or buffer zone 11. Performing other WPS handling tasks							
Comments/notes:							

Map 1 Buffer Zone = 25 ft Buffer Zone Sign O Application Block =  $50 \text{ ft } \times 300 \text{ ft}$ Evacuation **Meeting Point** 50 feet @ 2012 Microsoft Corpora



# PHASE 2 SOIL FUMIGATION POST APPLICATION SUMMARY (DAZOMET PRODUCTS)

### **Post Application Summary Elements:**

**General Application Information** 

**Weather Conditions** 

Tarp Damage and Repair

Tarp Perforation/Removal

**Complaints** 

Description of Incidents

Communication Between Applicator, Owner, and Other On-site Handlers

Posting Signs – Fumigant Treated Area and Buffer Zone

Handler Information for Changes since the FMP

Other Deviations from the FMP

#### **Attachments:**

### PHASE 2 SOIL FUMIGATION POST APPLICATION SUMMARY (DAZOMET PRODUCTS)

(Only fill-in information if it is different from the FMP or where the label requires that measurements/information are recorded in the post-application summary)

The below text fields will expand as the text is entered. After completing each field, use *Tab key* to go to next text field or check box.

General Application Information									
Application date and time:	Application Rate (e.g., lbs of	Application Block Size (acres):							
FF	product/treated acre):								
Application method:	EPA Registration Number:	Fumigant Product Name:	Injection Depth (inches):						
Mechanically incorporated	-								
☐ Water Incorporated (Surface)		<u> </u>							
Greenhouse	No change from the FMP	No change from the	No change from the						
Mechanically incorporated − golf		FMP	FMP						
· · · · · · · · · · · · · · · · · · ·	course fairways								
Weather Conditions									
Summary of the National Weather Service wea									
application and the 48-hours after the application	on is complete(a printed copy may be	e attached to the post-applic	cation summary):						
		1							
Check here if printed copy is attached to the	e post-application summary or comp	olete the following:							
National Weather Service weather forecast:									
Wind Speed: Air-Stagnation Advisorie									
Wild Speed. All-Stagnation Advisorie	s.								
Tarp Damage and Repair (check here if sec	etion is not applicable 🛛 )								
Date of tarp damage discovery:	in in the application (1)								
Location and size of tarp damage:									
Description of tarp/tarp seal/tarp equipment fai	lure:								
Date and time tarp repair was completed:									
Additional comments or other deviations from	FMP (if applicable):								
Tarp Perforation/Removal (check here if section is not applicable   )									
Date and time tarps were perforated:  Date and time tarps were removed:									
Were tarps perforated and/or removed early?  Yes  No									
The maps performed and of femored early 105 110									
If yes, described the conditions that led to the e	arly tarp perforation and/or remova	:							
Complaints (check here if section is not applicable )									
Person filing complaint:	If off-site person, name, address,	and phone number of perso	n filing complaint:						
☐ On-site handler ☐ Person off-site		1							
Description of control measures or emergency	procedures followed after complain	t:							
Additional comments:									
<b>Description of Incidents</b> (check here if secti	on is not applicable \( \square\)								
Description of incident, equipment failure, or o	* *	Da	te and time:						
Description of emergency procedures followed									
Was the incident reported to the state agency?  Yes No									
Additional comments:									
Communication Between Applicator, Owner, and Other On-site Handlers (check if no changes from the FMP )									
Was the certified applicator at the application block during all handler activities that took place after  Date contacted:									
the application was completed until the entry restricted period expired?  Yes No									
If no, list the names and phone numbers of persons contacted:									
Comments/notes (any deviation from FMP regarding how the information was shared):									
Posting Signs – Fumigant Treated Area and Buffer Zone									
Date(s) of Fumigant Treated Area sign posting	Date(s) of	Fumigant Treated Area sign	removal:						

Date(s) of Buffer Zone sign posting:	Date(s) of Buffer Zone sign removal:				
Description of deviations from FMP (if applicable):					
Handler Information for Changes Since the FMP					
Have there been any changes to the handler information since the FMF	was completed (including handlers that were on-site that were not				
listed in FMP)? Xes No If yes, the updated handler information	on must be attached to the post application summary (use EPA's				
Microsoft Word or PDF version of the handler information template)					
Other Deviations from the FMP					
Additional comments/notes:					
I have verified that this post application summary reflects the actual site conditions that occurred during the fumigation and is an accurate description of deviations from the FMP (if applicable).					
Signature of certified applicator that supervised the application  Date					

## **Handler Information**

Handler Name, Address, and Phone Number	Employer Name, Address, and Phone Number	Tasks Handlers are Trained and Authorized to Perform* (check number(s) from below)	PPE (check all that apply)	Respirator Information (leave blank if "no respirator" is checked under PPE)		
		□ 1         □ 2         □ 3         □ 4         □ 5         □ 6         □ 7         □ 8         □ 9         □ 10         □ 11	<ul> <li>☑ Long-sleeved shirt/long-pants, shoes, socks</li> <li>☑ Chemical-resistant apron</li> <li>☑ Chemical-resistant footwear and socks</li> <li>☑ Protective eyewear (NOT goggles)</li> <li>☑ Chemical-resistant gloves</li> <li>☑ Air-purifying respirator</li> <li>☐ Other:</li> <li>☐ No respirator</li> <li>PPE training date:</li> </ul>	Make: Model: Type: Style: Size: Cartridge type: Fit test date: Training date: Medical date: Make: Model: Type: Style: Size: Cartridge type: Fit test date: Training date: Medical date: Make: Size: Cartridge type: Fit test date: Training date: Medical date: Make: Model: Type: Style: Size: Cartridge type: Fit test date: Training date: Make: Model: Type: Style: Size: Cartridge type: Fit test date: Training date: Medical date:		
The above handler has recei	 ved Fumigant Safe Handli	l ng information within the	e past 12 months.	Medical date:		
*1. Loaders, drivers, tractor co-pilots, shovelers, cross-ditchers, or other direct application participants 2. Cleaning up fumigant spills (does not include emergency personnel not associated with the application) 3. Tasks with liquid contact potential 4. Installing, perforating or removing tarps 5. Repairing or monitoring tarps until 14 days after the application is complete if tarps are not perforated and removed during those 14 days.  6. Monitoring fumigant air concentrations 7. Handling or disposing of fumigant containers 8. Cleaning, handling, adjusting, or repairing equipment that may contain fumigant residues 9. Installing, repairing, operating, or removing irrigation equipment in the application block or buffer zone 10. Performing scouting, crop advising, or monitoring tasks in the application block or buffer zone 11. Performing other WPS handling tasks						
Commences, notes.						

# Air Monitoring Results (use to record information about sensory irritation and monitoring with direct read detection devices)

Date/Time (select the applicable scenario)	Handler Name	Handler Task/Activity	Handler Location (where irritation is observed or where sample is taken)	Air Concentration Measurements (for sample results)	Resulting Action/Comments
sensory irritation: sample with direct read detection device:					☐ Cease operations ☐ Respiratory protection ☐ Implement emergency response plan Comments/Other:
sensory irritation: sample with direct read detection device:					☐ Cease operations ☐ Respiratory protection ☐ Implement emergency response plan Comments/Other:
sensory irritation: sample with direct read detection device:					☐ Cease operations ☐ Respiratory protection ☐ Implement emergency response plan Comments/Other:
sensory irritation: sample with direct read detection device:					☐ Cease operations ☐ Respiratory protection ☐ Implement emergency response plan Comments/Other:
sensory irritation: sample with direct read detection device:					Cease operations Respiratory protection Implement emergency response plan Comments/Other:
Additional Comments:					