

120



ORTHENE[®]
75 S
Soluble Powder
(INSECTICIDE)

NOT REVIEWED
In Accordance with FDA Notice
Based on 21 CFR 312.63
KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE BELOW FOR ADDITIONAL
PRECAUTIONARY STATEMENTS.

Abstract

Valent USA Corporation
P.O. Box 1000
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ORTHENE KILLS FIRE ANTS

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

CAUTION

STATEMENT OF PRACTICAL TREATMENT

STATEMENT OF PRACTICAL TREATMENT

1. 1000
 2. 1000

WORKER SAFETY - The National Labor Relations Board has ruled that employers must provide safety training for new employees. The ruling applies to all employers with federal contracts or subcontracts that contain the Federal Acquisition Regulation (FAR) safety clause. The FAR clause requires employers to provide safety training for new employees in the same manner as they provide training for experienced employees. The ruling also applies to employers who are not federal contractors but who are required to provide safety training for new employees under state or local laws. The ruling is based on the principle that safety training is a necessary part of the job and should be provided to all employees, regardless of their experience. The ruling also states that employers must provide safety training in a manner that is consistent with the FAR clause. This means that employers must provide safety training to new employees in the same manner as they provide training for experienced employees. The ruling is a significant step in the effort to improve worker safety and is expected to result in a reduction in workplace accidents and injuries.

ENVIRONMENTAL HAZARDS

ENVIRONMENTAL HAZARDS

DIRECTIONS FOR USE

DIRECTIONS FOR USE

READ ENTIRE LABEL USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS
AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS

REEMING SIA ENH01

REENTRY VIA EMUHI

DIRECTIONS

DIRECTIONS:
Apply to strawberries only by sprinker irrigation systems. Do not apply by chemigation to any other crop or this crop using any other type of irrigation system.

Crops	Insects	Amount ORTHENE 75 S Per Acre	COTTON	Further Use Instructions	Days to Harvest
				Apply ORTHENE 75 S at 1.0 to 1.5 lbs. per acre, broadcast or in rows, as soon as the first cotton bolls are open. Repeat application if necessary. Do not apply more than 3.0 lbs. per acre.	
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				Bulldozing and Tobacco Bulldozing	
				Apply ORTHENE 75 S at 1.0 to 1.5 lbs. per acre, broadcast or in rows, as soon as the first cotton bolls are open. Repeat application if necessary. Do not apply more than 3.0 lbs. per acre.	
				Adults/Larvae Apply ORTHENE 75 S at 1.0 to 1.5 lbs. per acre, broadcast or in rows, as soon as the first cotton bolls are open. Repeat application if necessary. Do not apply more than 3.0 lbs. per acre.	
				Eggs	
				Apply ORTHENE 75 S at 1.0 to 1.5 lbs. per acre, broadcast or in rows, as soon as the first cotton bolls are open. Repeat application if necessary. Do not apply more than 3.0 lbs. per acre.	
				Prep. Bulldozing Apply ORTHENE 75 S at 1.0 to 1.5 lbs. per acre, broadcast or in rows, as soon as the first cotton bolls are open. Repeat application if necessary. Do not apply more than 3.0 lbs. per acre.	

Crops	INSECT	Amount ORTHO ME 75.5 LONGMAN-66 Per Acre	Further Use Instructions	Days M Harvest
C.C.	1. 1/2 2. 1/2 3. 1/2 4. 1/2 5. 1/2 6. 1/2 7. 1/2 8. 1/2 9. 1/2 10. 1/2 11. 1/2 12. 1/2 13. 1/2 14. 1/2 15. 1/2 16. 1/2 17. 1/2 18. 1/2 19. 1/2 20. 1/2 21. 1/2 22. 1/2 23. 1/2 24. 1/2 25. 1/2 26. 1/2 27. 1/2 28. 1/2 29. 1/2 30. 1/2 31. 1/2 32. 1/2 33. 1/2 34. 1/2 35. 1/2 36. 1/2 37. 1/2 38. 1/2 39. 1/2 40. 1/2 41. 1/2 42. 1/2 43. 1/2 44. 1/2 45. 1/2 46. 1/2 47. 1/2 48. 1/2 49. 1/2 50. 1/2 51. 1/2 52. 1/2 53. 1/2 54. 1/2 55. 1/2 56. 1/2 57. 1/2 58. 1/2 59. 1/2 60. 1/2 61. 1/2 62. 1/2 63. 1/2 64. 1/2 65. 1/2 66. 1/2 67. 1/2 68. 1/2 69. 1/2 70. 1/2 71. 1/2 72. 1/2 73. 1/2 74. 1/2 75. 1/2 76. 1/2 77. 1/2 78. 1/2 79. 1/2 80. 1/2 81. 1/2 82. 1/2 83. 1/2 84. 1/2 85. 1/2 86. 1/2 87. 1/2 88. 1/2 89. 1/2 90. 1/2 91. 1/2 92. 1/2 93. 1/2 94. 1/2 95. 1/2 96. 1/2 97. 1/2 98. 1/2 99. 1/2 100. 1/2	Amount ORTHO ME 75.5 LONGMAN-66 Per Acre	Further Use Instructions	Days M Harvest
C.C.	1. 1/2 2. 1/2 3. 1/2 4. 1/2 5. 1/2 6. 1/2 7. 1/2 8. 1/2 9. 1/2 10. 1/2 11. 1/2 12. 1/2 13. 1/2 14. 1/2 15. 1/2 16. 1/2 17. 1/2 18. 1/2 19. 1/2 20. 1/2 21. 1/2 22. 1/2 23. 1/2 24. 1/2 25. 1/2 26. 1/2 27. 1/2 28. 1/2 29. 1/2 30. 1/2 31. 1/2 32. 1/2 33. 1/2 34. 1/2 35. 1/2 36. 1/2 37. 1/2 38. 1/2 39. 1/2 40. 1/2 41. 1/2 42. 1/2 43. 1/2 44. 1/2 45. 1/2 46. 1/2 47. 1/2 48. 1/2 49. 1/2 50. 1/2 51. 1/2 52. 1/2 53. 1/2 54. 1/2 55. 1/2 56. 1/2 57. 1/2 58. 1/2 59. 1/2 60. 1/2 61. 1/2 62. 1/2 63. 1/2 64. 1/2 65. 1/2 66. 1/2 67. 1/2 68. 1/2 69. 1/2 70. 1/2 71. 1/2 72. 1/2 73. 1/2 74. 1/2 75. 1/2 76. 1/2 77. 1/2 78. 1/2 79. 1/2 80. 1/2 81. 1/2 82. 1/2 83. 1/2 84. 1/2 85. 1/2 86. 1/2 87. 1/2 88. 1/2 89. 1/2 90. 1/2 91. 1/2 92. 1/2 93. 1/2 94. 1/2 95. 1/2 96. 1/2 97. 1/2 98. 1/2 99. 1/2 100. 1/2	Amount ORTHO ME 75.5 LONGMAN-66 Per Acre	Further Use Instructions	Days M Harvest

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SPRAYS
Tobacco
Herbicide
European corn
borer

Apply when aphids or insects
appear. If no necessary and
insects have been reduced to
manageable numbers.

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PASTURE, PASTURELAND, UNDEVELOPED

Crops	Insects	Amount ORTHERE 75 S Per Acre	Further Use Instructions	Days to Harvest
Pasture Range Wetland	Grasshoppers Crickets Black Grass Bugs	8 to 15 0.005 to 0.125 active ingredient	Apply material at a minimum of 1 gal. spray per acre by air or 10 to 20 gal. spray per acre by ground. Use the higher rate in thicker vegetation or on larger insects. An approved drift retarding additive may be added to aid in controlling drift and reducing evaporation of aerial sprays. Do not make more than one application per season. Do not apply when lactating cows are present. Do not pasture or feed treated hay to lactating dairy cattle within 21 days after application. Remove material from treated areas at least one day before slaughter if they come present at application or grazed treated areas within 21 days after application.	21 days
	Imported Fire Ants	Mound Treatment— Dry Material Evenly distribute 1 to 2 teaspoons over the mound. Branch Material Mix 1 lb. of 5 gal. of water. Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four ft. foot diameter circle around the mound.	For best results apply the material in the early morning or late afternoon when the ants are most active. Applications made under prolonged hot and dry conditions may be ineffective due to the location of the ants deep within the nest. Grass in treated area may be ruined. Treat maximum of 15 mounds per acre. Do not treat mound more than once per season. Do not apply when lactating dairy cattle are present. Do not pasture or feed hay to lactating dairy cattle within 21 days after application. Remove material from treated areas at least 1 day before slaughter if they come present at application or grazed treated areas within 21 days after application.	21

SPECIALTY USES

Crops	Insects	Amount ORTHERE 75 S Per Acre	Further Use Instructions
Non Crop Areas Field borders Fencerows Pastures Orchards and bottom land	Grasshoppers	25.5 active ingredients	Apply in mid season application to grasshoppers in field borders, fencerows, pastures, orchards and bottom pits. Apply 10 to 15 gal. of water by air or 10 to 20 gal. of water with ground sprayer. Use the higher volume water spraying heavier foliage. Do not graze or feed vegetation cut from treated areas.

Crops	Insects	Amount ORTHERE 75 S Per Acre	Further Use Instructions	Days to Harvest
Non Crop Areas	Imported Fire Ants	Mound Treatment— Dry Material Evenly distribute 1 to 2 teaspoons over the mound. Branch Material Mix 1 lb. of 5 gal. of water. Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four ft. foot diameter circle around the mound.	For best results apply the material in the early morning or late afternoon when the ants are most active. Applications made under prolonged hot and dry conditions may be ineffective due to the location of the ants deep within the nest. Grass in treated area may be ruined. Do not treat mound more than once per season.	

Plants	Insects	Amount ORTHERE 75 S Per 100 Gal.	Time of Application	Recommended Application
Citrus Trees Nursery Stock Apple Tree Almond Cotton Rhododendron Roses Tulips Lilies	Scale Cecidomyia Aphidid Aphidid Aphidid Aphidid Aphidid Aphidid Aphidid Aphidid Aphidid	1 lb. 1 lb. 1 lb. 1 lb. 1 lb. 1 lb. 1 lb. 1 lb. 1 lb. 1 lb. 1 lb.	Apply when insects are present. Apply when insects are present. Apply when insects are present. Apply when insects are present. Apply when insects are present. Apply when insects are present. Apply when insects are present. Apply when insects are present. Apply when insects are present.	Apply the specified amount of ORTHERE 75 S to the plants. Apply the specified amount of ORTHERE 75 S to the plants. Apply the specified amount of ORTHERE 75 S to the plants. Apply the specified amount of ORTHERE 75 S to the plants. Apply the specified amount of ORTHERE 75 S to the plants. Apply the specified amount of ORTHERE 75 S to the plants. Apply the specified amount of ORTHERE 75 S to the plants. Apply the specified amount of ORTHERE 75 S to the plants. Apply the specified amount of ORTHERE 75 S to the plants.

SMALL SPRAY EQUIPMENT

Label Recommendation ORTHERE 75 S (Water)	Equivalent ORTHERE 75 S (Water)	Equivalent ORTHERE 75 S (Water)
1 lb. per 100 gal. water	1 lb. per 100 gal. water	1 lb. per 100 gal. water

TREES AND SHRUBS

Plants	Insects	Amount ORTHERE 75 S Per 100 Gal.	Time of Application	Recommended Application
Apple Tree Almond Cotton Rhododendron Roses Tulips Lilies	Scale Cecidomyia Aphidid Aphidid Aphidid Aphidid Aphidid Aphidid	1 lb. 1 lb. 1 lb. 1 lb. 1 lb. 1 lb. 1 lb. 1 lb.	Apply when insects are present. Apply when insects are present. Apply when insects are present. Apply when insects are present. Apply when insects are present. Apply when insects are present.	Apply the specified amount of ORTHERE 75 S to the plants. Apply the specified amount of ORTHERE 75 S to the plants. Apply the specified amount of ORTHERE 75 S to the plants. Apply the specified amount of ORTHERE 75 S to the plants. Apply the specified amount of ORTHERE 75 S to the plants. Apply the specified amount of ORTHERE 75 S to the plants.

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REFS AND LINKS

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COMMERCIAL TURFGRASS LAWNS AND OTHER RECREATIONAL TURFGRASS AREAS
DO NOT ALLOW LIVESTOCK TO GRAZE TREATED AREAS DO NOT FEED TREATED GRASS TO LIVESTOCK

Plants	Insects	Amount ORTHENE 75 S Per 100 sq. ft.	Time of Application	Recommended Application
Mass Flax, Gerbera & Cornflower	For Armyworm on the Striped Armyworm Southern Armyworm	1 to 1.2 oz. 1 to 1.3 lbs. per acre	As soon as apparent appearance. At 2 week intervals may be necessary	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1000 sq. ft. Use a minimum of 5 gals. water per 1000 sq. ft. to obtain good coverage
Cotton		1 to 2.4 oz. 1 to 2.6 lbs. per acre		
Chinch Bugs		1 to 2.4 oz. 1 to 2.6 lbs. per acre	Apply as needed for adult population knock down 10 to 14 days	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1000 sq. ft. Use 10 to 15 gals. water per 1000 sq. ft. to obtain good coverage
Peas		1 to 2.4 oz.	Apply as needed for knockdown 10 to 14 days only if existing adult populations	
Soil Insects (Chinch Bugs)		1 to 2.4 1 to 2.6 lbs. per acre	As soil invertebrates begin to appear. Use more per amount when quick knock down is needed or on very heavy infestations	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1000 sq. ft. Use 10 to 15 gals. water per 1000 sq. ft. to obtain good coverage
			Repeat application may be necessary after more than 1 week intervals	
Tomatoes		1 to 2.4 oz. per acre	As the leafhoppers begin to appear. A repeat application at 1 week intervals may be necessary	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1000 sq. ft. Use 10 to 15 gals. water per 1000 sq. ft. to obtain good coverage
Miscellaneous Except C.A.		1 to 1.2 oz. 1 to 1.5 lbs. per acre	As more insects begin to appear or knockdown of existing populations. More than one application may be required throughout the grow- ing season for heavy infestations. Use the higher dosage rate	Apply the specified amount of ORTHENE 75 S Soluble Powder per 1000 sq. ft. Use 10 to 15 gals. water per 1000 sq. ft. to obtain good coverage
				Apply during late afternoon or early evening hours and after the sun has set. Do not irrigate after application
Peas Soybeans Cotton Cornflowers		1 to 1.2 oz. 1 to 1.5 lbs. per acre	As more insects begin to appear. First application necessary. Repeat applications as necessary. Appli- cation must be re- peated at more than week intervals	Apply the specified amount of ORTHENE 75 S Soluble Powder Use 4 gals. of water per 1000 sq. ft. to obtain good coverage. Do not use too frequently. Wait at least 24 hours after application

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Points	Amount CONTRACTOR'S P.S. Per 1000 Sq. Ft.	Time of Application	Recommending Application
1.00	1.00	30 days before	Apply the specified amount of
2.00	2.00	30 days before	APPLY 75.50
3.00	3.00	30 days before	14.75 (a minimum of
4.00	4.00	30 days before	14.75 of water per 1000
5.00	5.00	30 days before	14.75 to obtain good coverage

CALCULATED VALUE AND PERMITS TO EXTRACT

REVIEW
with PM
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14. **Answer: A**

104 22 21

LECTURES

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• *Younger*

“04” 40’

1. What is the purpose of this study?

75 00

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Figure 10.10

9

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SPECIALTY MIXES

Crop	Insects	Average DAMAGE % \$ Per Acre	Further Use Instructions	Days to Harvest
Corn Crop Areas	Imported Fire Ants	Mound Treatment — Dry Mound Evenly distribute 1 to 2 teaspoons over the mound Branch Mound Use 1 gal. in 5 gals. of water. Apply 1 gal. of mix to each mound area by sprinkling the mound with 4 or 5 wet and treat a four ft. foot diameter circle around the mound	For best results apply the material in the early morning or late afternoon when the ants are most active. Applications made under prolonged hot and dry conditions may be ineffective due to the location of the ants deep within the nest. Grass in treated area — not killed Do not treat mound more than once per season	

SMALL SPRAY EQUIPMENT

Preparation of Glycerol by the Mannitol Process

THEY ARE SAYING

[illegible]