

CROPS	DISEASE	DILUTION RATE:	APPLICATION RATE	DIRECTIONS
<b>Asparagus</b>	Phytophthora	1:100	128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals
		1:100 – 1:300	40–128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
<b>Beans Snap &amp; Dry</b>	Anthracnose Downy Mildew Powdery Mildew Sclerotinia Rust	1:100	128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
		1:100 - 1:300	40–128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	<b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
<b>Berries, including but not limited to: Cranberry Strawberry Blackberry Blueberry Raspberry</b>	Botrytis Downy Mildew Fruit Rot Leaf Blight Powdery Mildew	1:100	128 oz. Oxidate per 100 gallons of water; apply 25–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:100 rate for one to three consecutive days and continue treatments on five to seven day intervals.
		1:100 – 1:300	40–128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
<b>Cole Crops, including but not limited to: Broccoli Cauliflower Cabbage Brussels Sprouts Collards</b>	Alternaria Leaf Spot Downy Mildew Powdery Mildew Early Blight Late Blight	1:100	128 oz. OxiDate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
		1:100 - 1:300	40-128 oz. OxiDate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
<b>Celery</b>	Early Blight Late Blight	1:100	128 oz. Oxidate per 100 gallons of water; apply 25–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:100 rate for one to three consecutive days and continue treatments on five to seven day intervals.
		1:100 – 1:300	40–128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
<b>Root Crops, including but not limited to: Beets Carrots Ginseng Sweet Potato Yams</b>	Alternaria Crown Rot Early Blight Late Blight	1:100	128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:100 rate for one to three consecutive days and continue treatments on five to seven day intervals.
		1:100 – 1:300	40–128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
<b>Citrus Crops, including but not limited to: Grapefruit Lemon Orange Tangerine Kumquat</b>	Alternaria Anthracnose Rust Scab Powdery Mildew Brown Rot Phytophthora Citrus Canker	1:100	128 oz. OxiDate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Pre-Bloom:</b> Begin applications at 1/4 - 1/2 inch green tip and continue on a five to seven day schedule through bloom.  <b>Curative:</b> Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
		1:100 – 1:300	40-128 oz. OxiDate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Preventive:</b> Spray once a week until harvest.
<b>Cucurbit crops, including but not limited to: Cucumber Squash Pumpkin Melons</b>	Alternaria Anthracnose Downy Mildew Powdery Mildew Pythium Rot Gummy Stem Rot	1:100	128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
		1:100 – 1:300	40-128 oz. OxiDate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
<b>Herbs and Spices, including but not limited to: Cilantro Coriander Basil</b>	Anthracnose Downy Mildew Powdery Mildew Pythium Rot	1:100	128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:100 rate for one to three consecutive days and continue treatments on five to seven day intervals.
		1:100 – 1:300	40–128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.

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Chives Dill Rosemary Sage Mint		1:500 – 1:1000	Direct Injection	Inject directly into misting systems for continual treatment during propagation.
<b>Grasses grown for seed</b>	Stem Rust Leaf Rust Leaf Spot	1:100 – 1:300	40 - 128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	Use sufficient water to achieve good coverage. Begin applications during stem elongations. Repeat weekly or as needed. Livestock can graze treated areas.
<b>Leafy Vegetables</b>	Rust Brown Rot Phytophthora Botrytis	1:100	128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:100 rate for one to three consecutive days and continue treatments on five to seven day intervals.
	Downy Mildew Powdery Mildew Early Blight Late Blight	1:100 – 1:300	40–128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
<b>Mushrooms</b>	Verticillium Spot	1:100	128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:100 rate for one to three consecutive days and continue treatments on five to seven day intervals.
		1:100 – 1:300	40–128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
<b>Onions Leeks Shallots Garlics</b>	Botrytis Downy Mildew Powdery Mildew	1:100	128 oz. OxiDate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
		1:100 – 1:300	40–128 oz. OxiDate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
<b>Peanuts</b>	Early Blight Late Blight Rust	1:100	128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:100 rate for one to three consecutive days and continue treatments on five to seven day intervals.
		1:100 – 1:300	40–128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
<b>Peppers</b>	Anthracnose Phytophthora Blight Powdery Mildew Leaf Spot	1:100	128 oz. OxiDate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
		1:100 – 1:300	40–128 oz. OxiDate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
<b>Potatoes</b>	Early Blight Late Blight	1:100	128 oz. OxiDate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
		1:100 – 1:300	40–128 oz. OxiDate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
<b>Seed Potatoes</b>	Fusarium	1:50	2½ oz. OxiDate per gallon of water.	Dip whole or cut tubers into tank of working solution. Let soak for a period of five minutes before removing seed pieces.
<b>Tobacco Float beds</b>	Pythium Phytophthora Fusarium Blue Mold	1:500 – 1:1000	1.25 – 2.5 fl. oz. per 10 gallons	<b>Curative:</b> Initial treatment of float bed water.
		1:5000 – 1:10,000	6 – 24 fl. oz. per 1000 gallons	<b>Preventive:</b> Treat water on a regular basis or maintain a residual 100 ppm concentration.
<b>Tobacco Field</b>	Blue Mold	1:100	128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
		1:100 – 1:300	40–128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
<b>Tomatoes</b>	Alternaria Anthracnose Cladosporium Mold Early Blight Late Blight Powdery Mildew	1:100	128 oz. OxiDate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
		1:100 – 1:300	40–128 oz. OxiDate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.

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<b>Pome Fruit, including but not limited to:</b> Apples Pears	Rusts Scab Powdery Mildew	1:100	128 oz. OxiDate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased trees using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
		1:100		<b>Pre-Bloom:</b> Begin applications at 1/4-1/2 inch green tip and continue on a five to seven day schedule through bloom.
<b>Filberts</b>	Eastern Filbert Blight Bacterial Blight	1:100	128 oz. OxiDate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased trees using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
		1:100		<b>Pre-Bloom:</b> Begin applications at 1/4-1/2 inch green tip and continue on a five to seven day schedule through bloom.
<b>Seed Potatoes</b>	Fusarium	1:50	2.5 oz. Oxidate per gallon of water.	Dip whole or cut tubers into tank of working solution. Let soak for a period of five minutes before removing seed pieces.
<b>Bananas Plantains</b>	Sigatoka	1:100	128 oz. OxiDate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
		1:100 – 1:300	40-128 oz. OxiDate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest. <b>Pre-Bloom:</b> Begin applications at 1/4-1/2 inch green tip and continue on a five to seven day schedule through bloom.
<b>Grapes</b>	Black Rot Downy Mildew Powdery Mildew Botrytis Sour Rot	1:100	128 oz. OxiDate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
		1:100 – 1:300	40–128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	<b>Preventive:</b> Begin when shoots are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest <b>Pre-Bloom:</b> Begin applications at 1/4-1/2 inch green tip and continue on a five to seven day schedule through bloom.
<b>Stone Fruits including but not limited to:</b> Peaches Plums Cherries Nectarines Prunes	Downy Mildew Powdery Mildew Brown Rot	1:100	128 oz. OxiDate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Pre-Bloom:</b> Begin applications at 1/4-1/2 inch green tip and continue on a five to seven day schedule through bloom.
		1:100 – 1:300	40–128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased trees using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals. <b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
<b>Tropical Fruit, including but not limited to:</b> Mango Casaba Poi Star Fruit Pineapple Passion Frt. Kiwi Guava Coconut Dates	Alternaria Leaf Blight Anthracnose Stem Rot Rhizoctonia Sooty Mold Powdery Mildew	1:100	128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Curative:</b> Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
		1:100 – 1:300	40–128 oz. Oxidate per 100 gallons of water; apply 50–100 gallons of spray solution per acre.	<b>Preventive:</b> Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
<b>Spray Treatments for newly harvested potatoes before storage -</b>				
<b>Potatoes</b>	Fusarium Tuber Rot Bacteria Soft Rot Silver Scurf Early Blight Late Blight	1: 50 – 1:100	5 - 1 1/4 oz. OxiDate per gallon of water.	Spray diluted solution on tuber to runoff to achieve full and even coverage. Additional surfactant can be added as needed to aid in sticking.
<b>Direct injection into humidification water for postharvest potatoes in storage -</b>				
<b>Potatoes</b>	Fusarium Tuber Rot Bacteria Soft Rot Silver Scurf Early Blight Late Blight	1:100 – 1:300	5 - 1/2 oz. OxiDate per gallon of water.	Inject concentrate into makeup water used in humidification of postharvest potatoes in storage.