

Leafy Vegetables

Product Use Guide: AZ/CA



INSECTICIDE	Pest Control	Rate (per acre)	Notes
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Intrepid 2F[®] Methoxyfenozide IRAC Group: 18 PHI: 1 day REI: 4 hrs	Armyworms, beet, fall, southern, true, yellowstriped Cabbageworm, cross-striped, imported Looper, cabbage Webworm, cabbage, garden Suppression: Cutworms	8 – 10 fl oz	Max Application Rate: 16 fl oz Max Annual Rate: 64 fl oz (1 lb ai) Max Consecutive Group 18 Insecticide Applications: 2 Ground Application: 10 - 30 GPA recommendation Air Application: 10 GPA recommendation Chemigation: 2(ee) Recommendation for sprinkler application. See label. <ul style="list-style-type: none"> • Base rate on pressure, canopy, environmental factors. • Higher rates for quicker kill, longer residual. • Tank mix with pyrethroid for quicker activity on corn earworm, etc • Spreader-sticker recommended
Radiant[®] SC Jemvelva™ active Spinetoram IRAC Group: 5 PHI: 1 day REI: 4 hrs	Armyworms (except Western and yellowstriped) Corn earworm Cabbageworm, imported Looper, cabbage Moth, Diamondback, Light brown apple Leafminers Thrips	5 – 10 fl oz 6 – 10 fl oz	Max Annual Rate: 34 fl oz (0.266 lb ai spinetoram) Max Applications Per Crop: 6 Max Consecutive Group 5 Insecticide Applications: 2 Ground Application: 10 - 30 GPA recommendation Air Application: 5 GPA recommendation Chemigation: 2(ee) Recommendation for sprinkler application. See label. <ul style="list-style-type: none"> • Add a penetrating surfactant to improve leafminer, thrips control • Maintain spray mixture between pH 6.0 – 9.0 before adding
Sequoia[®] Isoclast™ active Sulfoxaflor IRAC Group: 4C PHI: 3 days REI: 12 hrs	Aphids Whitefly, silverleaf Whitefly, sweetpotato Suppression: Thrips	1.5 – 2 fl oz 4.25 – 5.75 fl oz 5.75 fl oz	ARIZONA LABEL Max Annual Rate: 17 fl oz (0.266 lb ai of sulfoxaflor) Max Consecutive Applications: 2 Max Application Per Crop: 4 Ground Application: 25 - 40 GPA recommendation Chemigation: Sect 24c SLN in AZ. See label. <ul style="list-style-type: none"> • Labeled for Leafy Greens (Subgroup 4-16A), Leafy Petiole Vegetable (22B), Celtuce, Florence Fennel, Watercress, Kale. • Do not apply this product at any time between 3 days prior to bloom and until after petal fall • No tank-mixing restrictions

NATURALLYTE™ INSECT CONTROL	Pest Control	Rate (per acre)	Notes
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Entrust[®] SC Qalcovia™ active Spinosad IRAC Group: 5 PHI: 1 day REI: 4 hrs	Moth, Diamondback Cabbageworm, imported Looper, cabbage Armyworms Leafminers Thrips	1.5 – 3 fl oz 3 – 6 fl oz 4 – 8 fl oz 6 – 10 fl oz	Max Annual Rate: 29 fl oz (0.45 lb ai spinosad) Max Annual Applications: 6 Ground Application: 10 - 30 GPA recommendation Air Application: 5 GPA recommendation Chemigation: 2(ee) Recommendation for sprinkler application. See label. Leafy vegetables (including watercress): Do not apply within 1 day of harvest. <ul style="list-style-type: none"> • Maintain spray mixture between pH 6.0 – 9.0 before adding • Do not apply to seedling leafy crops grown for transplant within a greenhouse or shade house.
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biologicals	Crops	Rate (per acre)	Notes
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Utrisha[®] N Methylobacterium symbioticum	Cole Crops	5 oz	<ul style="list-style-type: none"> • Natural bacteria that can supplement nitrogen to the plant • Supplemental nitrogen source to add to nitrogen management program • Best applied early in the morning, when a greater number of stomata are open • Enhances Nitrogen Use Efficiency (NUE) and reduces dependency on nitrogen uptake from the soil
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BIOLOGICAL FUNGICIDE		Disease Control	Rate (per acre)	Notes
<p>Bexfond®</p> <p><i>Bacillus amyloliquifaciens</i> subspecies <i>plantarum</i> strain FZB42</p>	<p>Rhizoctonia</p> <p>Fusarium</p> <p>Sclerotinia</p> <p>Verticillium</p> <p>Phytophthora</p>	7 – 14 fl oz	<ul style="list-style-type: none"> Active ingredient is a bacteria that colonizes the root zone and suppresses soil-borne pathogens Stronger plants have increased abiotic and biotic stressor tolerance Tank-mix compatible with most plant nutrition and agrochemical products Certified for organic production 	

FUNGICIDE		Disease Control	Rate (per acre)	Notes
<p>Curzate® 60DF</p> <p>Cymoxanil</p> <p>FRAC Groups: 27</p> <p>PHI: 3 days (head) 1 day (leafy, spinach)</p> <p>REI: 12 hrs</p>	Downy mildew	<p>Head Lettuce: 3.2 - 5 oz</p> <p>Leafy Lettuce: 5 oz</p>	<p>Max Annual Rate: 30 oz (1.125 lb ai of Cymoxanil)</p> <p>Max Annual Applications: 6</p> <ul style="list-style-type: none"> Excellent tank-mix with protectant fungicides 5- to 7-day treatment schedule 	
<p>Fontelis®</p> <p>Penthiopyrad</p> <p>FRAC Group: 7</p> <p>PHI: 3 days</p> <p>REI: 12 hrs</p>	<p>Alternaria, black spot, leaf spot</p> <p>Gray mold (Arizona Only)</p> <p>Pin rot</p> <p>Powdery mildew</p> <p>Sclerotinia stem rot</p>	<p>14 – 30 fl oz</p> <p>16 – 30 fl oz</p>	<p>Max Annual Rate: 72 fl oz (0.94 lb ai of Penthiopyrad)</p> <p>Max Consecutive MOA Applications: 2</p> <ul style="list-style-type: none"> Apply by ground Begin applications on small lettuce. The more soil you see, the better In a 2-application program, make the first application at 2-4 leaves and the second at 4-6 leaves 	
<p>Tanos®</p> <p>Famoxadone + Cymoxanil</p> <p>FRAC Groups: 11 + 27</p> <p>PHI: 1 day</p> <p>REI: 12 hrs</p>	Downy mildew	8 – 10 oz	<p>Max Season Rate: 48 oz</p> <p>Spinach Max Season Rate: 84 oz</p> <p>Ground Application: 20 GPA minimum</p> <p>Air Application: 5 GPA minimum</p> <ul style="list-style-type: none"> Make preventative applications on 5- to 7-day schedule prior to disease development. Must be tank-mixed with a contact fungicide with a different MOA. Leafy greens subgroup 4A only 	

HERBICIDE		Disease Control	Rate (per acre)	Notes
<p>Kerb® SC</p> <p>Pronamide</p> <p>Group: 3</p> <p>PHI: Refer to label</p> <p>REI: 24 hrs</p>	<p>Broadleaves:</p> <p>Knotweed</p> <p>Lambsquarters</p> <p>Mustard, wild</p> <p>Oats, volunteer</p> <p>Purslane, common</p> <p>Rocket, London</p> <p>Shepherd's purse</p> <p>Grasses:</p> <p>Barnyardgrass</p> <p>Canarygrass</p> <p>Bluegrass</p> <p>Goosefoot</p>	<p>Head Lettuce: Surface: 3.5 - 5 pt Soil: 5 pt</p> <p>Leafy Lettuce: Surface: 3.5 - 5 pt Soil: 5 pt</p> <p>Head Lettuce: Surface: 2.5 - 3.5 pt Soil: 3.5 - 5 pt</p> <p>Leafy Lettuce: Surface: 1.25 - 3.5 pt Soil: 3.5 - 5 pt</p>	<p>Max Rate: 5 pt (2 lb ai of Pronamide) per crop</p> <p>Max Annual Rate: 10 pt (4 lb ai of Pronamide) per crop</p> <p>Max Consecutive MOA Applications: 2</p> <p>Spray Volume: 20-40 GPA recommended</p> <p>Mixing: For best slurry, premix 1.25 pt with 3 gals of water</p> <p>Timing: Apply when weeds are 5-6 leaves or less and crop is minimum third true leaf</p> <ul style="list-style-type: none"> Labeled for leafy lettuce, head lettuce, endive, escarole, radicchio Ground, air and sprinkler applications Best coverage when sprinklers are laid out in diamond pattern. Reduce dosage rate accordingly for banded applications Do not apply more than one application to each crop of head or leaf lettuce, endive, escarole or radicchio greens, or more than twice if split application is made. Delayed chemigation application (rule of thumb after planting & germination water) <p>Sept. 1 – mid Oct: 1 - 3 days Mid Oct. – mid Dec.: 3 - 6 days After mid Dec.: 5 - 6 days</p>	

For more information on Corteva Agriscience™ Crop Protection Leafy Vegetable Products, please contact your local Corteva territory manager or call **800-258-3033**.

Visit us at corteva.us/Vegetables

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