



VEGETABLES

Product Use Overview



| Brassica, Bulb Crops, Cucurbits, Fruiting Vegetables, Leafy & Lettuce Vegetables, Root Vegetables |

	Product	Key Problems / Uses	Product Benefits and Use Recommendations
Insecticides	Asana® XL Insecticide	Aphids, beetles, borers, grasshoppers, whiteflies, worms	Long-lasting, unique cottonseed oil formulation for proven, outstanding control on a broad spectrum of pests. Labeled rate range: 2.9–9.6 fl oz/A. REI: 12 hours. PHI: see label. Asana XL is a restricted use pesticide.
	Azera® Insecticide	Aphids, beetles, loopers, mealybugs, mites, oriental fruit flies, thrips, weevils, whiteflies, worms	Controls insects by quick knock down, ingestion and insect growth regulation activity. Apply when target pest(s) populations are observed. Labeled rate range: 16–56 oz/A. REI: 12 hours. PHI: 0 days. 
	Belay® Insecticide	Aphids, beetles, plant bugs (including lygus), stink bugs, weevils	Long-lasting, fast-acting control of a broad spectrum of pests. Apply when target pest(s) populations are observed. Labeled rate range for foliar application: 3–4 fl oz/A. REI: 12 hours. PHI for foliar application: 7 days. Belay is not for use on fruiting vegetables.
	Danitol® 2.4 EC Spray	Aphids, beetles, stink bugs, thrips, two-spotted spider mite (except California), worms	Quick knock down, broad spectrum control of insects that won't flare mites. Labeled rate range: 10 ² / ₃ –21 ¹ / ₃ fl oz/A. REI: 24 hours. PHI: see label. Danitol is a restricted use pesticide.
	DiPel® DF Biological Insecticide Dry Flowable	Armyworm, hornworm, Lepidopteran (worm) pests, leafrollers, loopers	Environmentally friendly control of lepidopteran (worm and caterpillar) pests. Apply when insects are hatching or small larvae are present. Labeled rate range: 0.5–2 lb/A. REI: 4 hours. PHI: 0 days. 
	Esteem® Ant Bait	Ants	Effective, long-lasting control of fire ants and other ants. Apply 1.5–2 lb/A in the early spring or summer at the first sign of ant activity. REI: 12 hours. PHI: 24 hours.
	EverGreen® Crop Protection EC 60-6	Aphids, armyworms, beetles, grasshoppers, leafhoppers, loopers, lygus, psyllids, thrips	Controls more than 100 different insects throughout the entire season including right up until harvest. An ideal pre-harvest cleanup spray because it provides fast knock down and control with minimal field re-entry time. Labeled rate range: 2–16 fl oz/A. REI: 12 hours. PHI: 0 days.
	Knack® Insect Growth Regulator	Whiteflies (banded wing, greenhouse, silverleaf, sweet potato)	Long-lasting whitefly control; easy on beneficial insects. Labeled rate range: 8–10 fl oz/A. REI: 12 hours. PHI: see label.
	PyGanic® Crop Protection EC 1.4_{II}/5.0_{II}	Aphids, leafhoppers, mites, squash bugs, stink bugs, thrips, whiteflies	Controls more than 150 insects. <i>PyGanic 1.4_{II}</i> outdoor labeled rate range: 16–64 fl oz/A. <i>PyGanic 5.0_{II}</i> labeled rate range: 4.5–17 fl oz/A. REI: 12 hours. PHI: 0 days. 
	Tersus® Insecticide	Aphids, katydids, leafhoppers, squash bugs, thrips, whiteflies	Controls more than 140 insects. A good choice for field cleanup right before harvest. Labeled rate range: 4.5–17 fl oz/A. REI: 12 hours. PHI: 0 days.
	Venom® Insecticide	Flea beetles, leafhoppers, leafminers, thrips, whiteflies	Super-systemic insecticide for quick, long-lasting control of tough pests. Labeled rate for soil: use rates according to pest pressure and crop. REI: 12 hours. PHI: 21 days.
Fungicide/ Insecticide	XenTari® Biological Insecticide Dry Flowable	Armyworm, beet armyworm, diamondback moth larvae	Highly selective, effective control of armyworms and diamondback moth. Labeled rate range: 1–2 lb/A. REI: 4 hours. PHI: 0 days. 
	Leap® ES Bacterial Disease Management Biological Insecticide Emulsifiable Suspension	Bacterial spot, Lepidoptera larvae (worms and caterpillars)	Get protection of bacterial spot with a non-copper-based mode of action and worm control with <i>Leap</i> . Apply before the disease appears. Reapply every 5–10 days during the season up to 8 applications—up to the day of harvest. Labeled rate range: 0.5–2 qt/A (1 qt/A for typical use and 2 qt/A when heavy disease incidence and severity are expected). REI: 12 hours. PHI: 0 days.



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Fungicides	Actinovate® AG Biological Fungicide	Alternaria*, anthracnose*, bacterial spot/speck*, black rot/spot*, Botrytis, damping-off, downy mildew*, early blight*, Fusarium, late blight*, Phytophthora, powdery mildew, purple blotch*, Pythium, Rhizoctonia, Sclerotinia*, Verticillium* *Except California.	<i>Actinovate</i> AG is a biological fungicide/bactericide for use in suppressing a broad range of soilborne and foliar diseases in cucurbits, fruiting and leafy vegetables, brassicas, asparagus, mushrooms, and bulb and root vegetables. Contains <i>Streptomyces lydicus</i> strain WYEC 108, a beneficial bacterium with multiple modes of action. Labeled rate range: 3–12 oz/A. REI: 4 hours. PHI: 0 days. 
	Elumin® Fungicide	Cucurbit downy mildew, pepper Phytophthora blight, Phytophthora root rot, pink rot, pythium leak	<i>Elumin</i> is an oomycete fungicide that adds effectiveness to your rotational spray programs so that you maximize crop quality and marketable yield. Labeled rate: 8 fl oz/A. REI: 12 hours. PHI: 2 days.
	Presidio® Fungicide	Damping off, downy mildew, Phytophthora root, crown and fruit rots	<i>Presidio</i> is targeted chemistry with a unique mode of action for fungicide rotation programs and is highly systemic for effective control of a broad spectrum of soilborne and foliar diseases. Labeled rate range: 3–4 fl oz/A. Consult label for specific crop rates. REI: 12 hours. PHI: 2 days.
Herbicide	Select Max® Herbicide with Inside Technology™	Annual and perennial grasses	Postemergence grass control with excellent crop safety. For annual grasses, use 9–16 fl oz/A (up to 32 fl oz/A for Crop Group 6B—succulent shelled pea and bean subgroup). For perennial grasses, use 12–16 fl oz/A. Do not apply more than 64 fl oz/A per season (32 fl oz/A for Long Island, NY). For repeat applications, make on a minimum of a 14-day interval. REI: 24 hours. PHI: see label. Please see label for crop specific application restrictions.
Nematicide	DiTera® DF Biological Nematicide Dry Flowable	Nematodes	Stops nematode feeding and enhances beneficial soil organisms present in the rhizosphere. Labeled broadcast rate range: 0.31–2.4 lb/A 1,000 sq ft (13.5–104.5 lb/A). Apply after harvest and at spring root flush for best results. REI: 4 hours. 
Plant Growth Regulator	ProGibb® LV Plus Plant Growth Regulator	Stimulates plant growth	Active ingredient in <i>ProGibb</i> , gibberellic acid, is a natural plant growth regulator found in most plants that promotes the growth and development of flowers, fruits, leaves and stems See product label for rates and timings by variety. REI: 4 hours. 
Soil / Plant Health	MycosApply® EndoMaxx	Delivers root mass expansion, nutrient efficiency and water acquisition	Vegetable transplants—applied as a preplant tray drench, subsurface drip tape injection or at-plant in transplant water, 4–12 grams/A. Seeded vegetables—apply in-furrow or as a banded spray, 4–6 grams/A. <i>MycosApply EndoMaxx</i> is not for use on brassica crops. 



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Always read and follow label instructions.

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Asana XL and Danitol are restricted use pesticides.

