



Product Use Overview



| U.S. (excluding California) |

	Product	Organic Solution	Key Problems / Uses	Product Benefits and Use Recommendations
Herbicides	Fierce® EZ Herbicide		Preplant control of annual grass and broadleaf weeds	Wheat—Preplant Applications For preplant weed control, use only on no-till or minimum tillage fields where the previous year's crop residue has not been incorporated into the soil. In Delaware, Idaho, Maryland, Minnesota, Missouri, Montana, North Dakota, New Jersey, Oregon, South Dakota and Washington apply a minimum of 30 days prior to planting. In Alabama, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Virginia apply a minimum of 14 days prior to planting. For control of emerged weeds, <i>Fierce</i> EZ must be applied with an appropriate burndown tank mix partner. Do not apply more than 6 oz/A per application. REI: 12 hours. For use only in AL, DE, GA, ID, KY, MD, MN, MO, MS, MT, NC, ND, NJ, OR, SC, SD, TN, VA and WA.
			Postemergence and residual control of annual ryegrass and wild radish	Winter Wheat—Postemergence Applications Apply 3 oz/A, mixing only with clean water, as a broadcast over-the-top application when 95% of wheat is in the spike to two-leaf stage of growth. REI: 12 hours. For use only in Alabama, Kentucky, North Carolina, South Carolina and Tennessee.
	Outrider® Herbicide		Control of cheat and broadleaf weeds, such as mustard spp.	Winter Wheat Labeled rate: $\frac{2}{3}$ oz/A preemergence and postemergence (refer to label for application timing by state). Additives: NIS 0.5% v/v. REI: 12 hours. PHI: 30 days (wheat for hay), 55 days (wheat for grain). Outrider is not labeled for use in New York on wheat.
	Valor® EZ Herbicide ² Valor® SX Herbicide		Palmer amaranth, waterhemp and grass suppression	Wheat For preplant weed control, use only on no-till or minimum tillage fields where the previous year's crop residue has not been incorporated into the soil. Do not use on durum wheat. For preplant/preemergence applications: No sooner than 7 days after application in the states of Delaware, Kentucky, Maryland, North Carolina, New Jersey, Pennsylvania, South Carolina, Tennessee and Virginia. No sooner than 14 days after application in the states of Idaho, Minnesota, Montana, North Dakota, Oregon, South Dakota, Washington and Wisconsin. For fall and spring burndown programs, a minimum of 30 days must pass and 1 inch of rainfall/irrigation must occur between <i>Valor</i> application and planting. Labeled rate: 2 oz/A. Additives: Required for burndown activity. See tank mix partner label for instructions. REI: 12 hours. For use only in DE, ID, KY, MD, MN, MT, NC, ND, NJ, OR, PA, SC, SD, TN, VA, WA and WI.



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Insecticides	DiPel® DF Biological Insecticide Dry Flowable†	X	Lepidopteran pests, including armyworms	Labeled rate range: 0.5–2 lb/A. Apply when eggs are hatching and/or small larvae are developing in the crop. Can be used in organic production. Can also be applied aerially. REI: 4 hours. PHI: 0 days.
	DiPel® ES Biological Insecticide Emulsifiable Suspension		Lepidopteran pests, including armyworms	Small Grains (such as Barley, Sorghum, Wheat or Oats) Labeled rate range: 1–4 pt/A. Liquid formulation to ease application and mixing operations. Can also be applied aerially. REI: 4 hours. PHI: 0 days.
Seed Protection	Release® LC Plant Growth Regulator Solution†	X	To promote germination and emergence particularly for seed with germination or emergence problems or are planted under cool soil conditions. To help increase final stand density and uniformity when seed are planted deeper to receive adequate moisture.	Labeled rate: 0.5–3 fl oz/100 lb of seed—seed treatment. Thoroughly mix <i>Release</i> LC in approximately 8–20 fl oz of the desired seed slurry mixture per 100 lb of seed, prior to application to seed. Can be applied through an induction tank with pump and ball valve to regulate flow into an auger. REI: 4 hours.
	INTEGO® SUITE Cereals OF		Protects against early season root rot, seedling dieback and seed decay fungi. Two modes of action for <i>Pythium</i> species. Wireworm protection.	Labeled rate: 5.2 fl oz/100 lb of seed. REI: 24 hours.



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Always read and follow label instructions. Check to be sure product is approved in your area before use and contact Valent or your local state agency for more information.

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†DiPel® DF Biological Insecticide Dry Flowable and Release® LC Plant Growth Regulator Solution are NOP compliant and OMRI Listed for organic production.



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