



Product Use Overview



| Arizona |

	Product	Organic Solution	Key Problems / Uses	Product Benefits and Use Recommendations
Insecticides	Asana® XL Insecticide		Bollworm, budworm, cutworms, grasshoppers, stink bugs, worms	Labeled rate range: 5.8–9.6 fl oz/A. Can be applied by ground or air. REI: 12 hours. PHI: 21 days. Asana XL is a restricted use pesticide.
	Danitol® 2.4 EC Spray		Spider mites, stink bugs, whiteflies	Labeled rate range: 10 $\frac{2}{3}$ –16 fl oz/A. Can add a NIS or tank mix with other insecticides for improved pest control or broader pest spectrum. Can be applied by ground or air. REI: 24 hours. PHI: 21 days. Danitol is a restricted use pesticide.
	DiPel® DF Biological Insecticide Dry Flowable [†]	X	Lepidopteran pests, including armyworms, bollworm, budworm	Labeled rate range: 0.5–2 lb/A. Apply when insects are hatching or small. Can be used on organic, non-Bt cotton production. Can be applied by ground or air. REI: 4 hours. PHI: 0 days.
	Knack® Insect Growth Regulator		Whiteflies	Labeled rate range: 8–10 fl oz/A. Can be applied by ground or air. REI: 12 hours. PHI: 28 days.
	Venom® Insecticide		Cotton aphids, leafhoppers, plant bugs, thrips, whiteflies	Labeled rate range: 1–3 oz/A. Repeat as needed to maintain control, but not more often than every 7 days. Cannot apply more than 6 oz/A in a season. Can be applied by ground or air. REI: 12 hours. PHI: 14 days.
	XenTari® Biological Insecticide Dry Flowable [†]	X	Lepidopteran pests, including armyworms, <i>Heliothis</i> , loopers	Labeled rate range: $\frac{1}{2}$ –2 lb/A. Apply with larvae are young prior to crop damage, when larvae are actively feeding. REI: 4 hours. PHI: 0 days.
	Zeal® Miticide ¹		Carmine spider mite, Pacific spider mite, two-spotted spider mite	Long-lasting mite control with translaminar and ovicidal activity. <i>Zeal</i> is a mite growth regulator that affects all mite life stages, including eggs. Labeled rate range: 0.66 to 1 oz/A. REI: 12 hours. PHI: 28 days.
	Zeal® SC Miticide		Carmine spider mite, Pacific spider mite, two-spotted spider mite	Long-lasting mite control with translaminar and ovicidal activity. <i>Zeal</i> SC is a liquid formulation mite growth regulator that affects all mite life stages, including eggs. Labeled rate range: 1.33–2 fl oz/A. REI: 12 hours. PHI: 28 days.
Plant Growth Regulators	ProGibb® 40% Plant Growth Regulator Water Soluble Granule [†]	X	Promote early-season growth and increase seedling vigor	Labeled rate range: 0.1–0.5 oz/A. Apply 1–2 applications as a foliar broadcast spray during the 3–7 leaf/node stage. If applying as a banded spray reduce rates accordingly. Complete coverage of leaf tissue is essential. Use higher rates when temperatures will likely average 75°F or less during the 14 days following application(s). REI: 4 hours. PHI: 0 days.
	ProGibb® LV Plus Plant Growth Regulator [†]	X	Promote early-season growth and increase seedling vigor	Labeled rate range: 0.5–3 fl oz/A for in-furrow application to seed or as a foliar application or 0.5–4 fl oz/A for foliar broadcast spray. To promote growth and increase seedling vigor, apply up to 3 applications between cotyledon and 7th leaf/node stage. Can be tank mixed with herbicides. If applied alone, add NIS or COC. Can be applied by ground or air. REI: 4 hours. PHI: 0 days.



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Herbicides	Chateau® EZ Herbicide		In a fall burndown program, control of more than 90 broadleaf weeds and grasses, including key winter annual weeds. In-season weed control, such as nightshades, pigweeds and other key broadleaf weeds, from shielded, hooded or layby applications when applied with a labeled tank mix partner.	Proven, broad spectrum, long-lasting preemergence herbicide in a more convenient, easy-to-use liquid formulation. Farm-friendly and weather-ready. <i>Chateau EZ</i> stays where you put it; won't leach or co-distillate; no photo-degradation; remains active until ¼-inch rainfall or irrigation releases its activity. Fall Burndown Application Apply in a tank mix for enhanced burndown weed control and residual at 4 oz/A. In-Season Application Apply at 2 oz/A as hooded, shielded or layby applications with a tank mix partner for enhanced burndown weed control plus residual. For in-season applications, care should be taken to avoid contact with green tissue as crop injury will occur. REI: 12 hours. PHI: 60 days.
	Resource® Herbicide		Cotton defoliant	Labeled rate range: 6–8 fl oz/A. Use a NIS, MSO or COC depending on weather and cotton growth conditions. Consult your retailer or Valent representative for specific adjuvant recommendations. Must add boll opener products for complete harvest aid treatment. Can be applied by ground or air. REI: 12 hours. PHI: 7 days.
	Select Max® Herbicide with Inside Technology™		Annual and perennial grasses	Labeled rate range for annual grasses: 9–16 fl oz/A. Labeled rate range for perennial grasses: 12–32 fl oz/A. Add NIS, COC or MSO for improved uptake. For repeat applications, allow at least 14 days between sprays. Can be applied by ground or air. REI: 24 hours. PHI: 60 days.



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†DiPel® DF Biological Insecticide Dry Flowable, ProGibb® 40% Plant Growth Regulator Water Soluble Granule, ProGibb® LV Plus Plant Growth Regulator Solution and XenTari® Biological Insecticide Dry Flowable are NOP compliant and OMRI Listed for organic production.

Asana XL and Danitol are restricted use pesticides.



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