



Organic Specialty Crop Products



| Berries, Citrus, Grapes, Pome Fruit, Potatoes, Stone Fruit, Tobacco, Tree Nuts, Vegetables |

	Product	Organic Solution	Crops	Key Problems / Uses	Product Benefits / Use Recommendations
Insecticides	Debug® Tres†	X	Apples, avocados, citrus, stone fruit, strawberries, vegetables	Aphids, lygus, mites, thrips	Combines the power of Azadirachtin and Neem Oil. Use <i>Debug Tres</i> when you want the strongest Azadirachtin punch—this formula provides long-lasting residual control with broad pest coverage and minimal oil, making it ideal for rotational programs. Controls more than 150 insects. Labeled rate range: 8–22.5 fl oz/A. REI: 4 hours. PHI: 0 days.
	Debug® Turbo†	X	Apples, avocados, citrus, stone fruit, strawberries, vegetables	Aphids, mites, thrips, whiteflies	Combines the power of Azadirachtin and Neem Oil. Use <i>Debug Turbo</i> when you need thorough contact control—this oil-rich formulation delivers Neem Oil to suffocate soft-bodied pests while Azadirachtin provides added knockdown and residual activity. Controls more than 150 insects. Labeled rate range: 16–104 fl oz/A. REI: 4 hours. PHI: 0 days.
	DiPel® DF Biological Insecticide Dry Flowable†	X	Berries, citrus, grapes, pome fruit, potatoes, stone fruit, tree nuts, tobacco, tropical fruits, vegetables	Lepidopteran pests, including cutworms, fruitworms, leafrollers, loopers, peach twig borer	Contains multiple insecticidal proteins and Bt spores for Lepidopteran pests. No impact to pollinators or beneficial insects. Apply when insects are hatching or small. Labeled rate range: 0.5–2 lb/A. REI: 4 hours. PHI: 0 days.
	Pyganic® Crop Protection EC 1.4_{II} / 5.0_{II}†	X	Berries, citrus, grapes, pome fruit, potatoes, stone fruit, subtropical fruits, tree nuts, vegetables	Aphids, beetles, fruit flies, leafhoppers, leafrollers, mites, squash bugs, stink bugs, thrips, weevils, whiteflies	Broad spectrum, organic insecticide used up to the day of harvest. For improved resistance management, consider rotating <i>Pyganic</i> with <i>Debug</i> brands. Apply when target pest(s) populations are observed. Labeled rate range: <i>Pyganic</i> 1.4 _{II} : 16–64 fl oz/A. <i>Pyganic</i> 5.0 _{II} : 4.5–15.61 fl oz/A. REI: 12 hours. PHI: 0 days.
	XenTari® Biological Insecticide Dry Flowable†	X	Berries, citrus, grapes, pome fruit, potatoes, stone fruit, tree nuts, tobacco, tropical fruits, vegetables	Lepidopteran pests, including armyworms and diamondback moth	Contains multiple insecticidal proteins and Bt spores for armyworm and diamondback moth larvae. No impact to pollinators or beneficial insects. Treat when larvae are young (early instars) before crop is damaged. Labeled rate range: 0.5–1.5 (diamondback moth); 0.5–2 (armyworms). REI: 4 hours. PHI: 0 days.
Plant Growth Regulators	ProTone® SG Plant Growth Regulator Soluble Granule†	X	Grapes, pome fruit	Enhance coloration of grapes. For early-season fruit thinning in pome fruit to selectively remove fruitlet from the tree in order to increase size and quality of retained fruit. Post-harvest defoliation.	Grapes —Apply 375–1,250 grams/A within the period from one week before veraison (50% of the target fruit has softened) until anticipated harvest of target fruit. Pome Fruit —188–938 grams/A per application. Use higher rates in well cross-pollinated orchards or varieties that have a history of being difficult to thin. REI: 4 hours. PHI: 0 days. ProTone is not labeled for use in California on pears or for defoliation.
	ProVide® 10 SG Plant Growth Regulator Soluble Granule†	X	Apples, sweet cherries	For russet control, reduction of cracking, improved fruit finish and increased pedicel elongation in apples. Fruit size improvement in sweet cherries.	Refer to the label for rates/timings by crop. REI: 4 hours. PHI: 0 days. ProVide is not for use in California on sweet cherries.
	ProGibb® 40% Plant Growth Regulator Water Soluble Granule†	X	Berries, citrus, grapes, pecans, stone fruit, vegetables	Berry thinning/sizing in grapes. Improved fruit set and rind quality in citrus. Improved quality in stone fruit and vegetables.	Gibberellic acid is a natural plant growth regulator found in most plants that promotes the growth and development of flowers, fruits, leaves and stems. Refer to the label for rates/timings by crop. REI: 4 hours. PHI: 0 days.
	ProGibb® LV Plus Plant Growth Regulator Solution†	X	Berries, citrus, grapes, pecans, potatoes (seed), stone fruit, vegetables	Improve fruit set in blueberries and increase runner production of mother plants in strawberries.	ProGibb 40% and ProGibb LV Plus are not labeled for use in California on blueberries or strawberries.



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Application Timing and Pests Controlled for Foliar Applied Insecticides

Always refer to the label for approved pests, crops and rate recommendations.

Product	<i>Debug Tres</i>	<i>Debug Turbo</i>	<i>DiPel DF</i>	<i>Pyganic EC 1.4_{II} / 5.0_{II}</i>	<i>XenTari</i>
Application Timing	Target immature stages of insects; repeat application at 7- to 14-day intervals	Repeat application at 7- to 14-day intervals	Early instar and before crop damage	Early infestations for management of pest; apply in early morning, late evening or during the night	Early instar and before crop damage
Beneficials	Low impact	Low impact	No impact	Wait 3 days	No impact
Honey Bees	No bee hazard identified on label	No bee hazard identified on label	No bee hazard identified on label	Do not apply during bloom	No bee hazard identified on label
Pests Controlled					
Aphids					
Beetles: Bean, Flea, Japanese					
Colorado Potato Beetles					
Diamondback Moth					
Fall Armyworms					
Fruit Flies					
Grasshoppers, Crickets					
Imported Cabbageworms					
Leafhoppers					
Leafrollers, Loopers					
Mealybugs					
Mites					
Stink Bugs					
Tarnished Plant Bugs (Lygus)					
Thrips					
Whiteflies					
Mildew (on Lettuce)					
	Highly Effective	Effective	Moderately Effective	Limited Efficacy	Not Labeled

Debug® Tres, Debug® Turbo, Pyganic® Crop Protection EC 1.4_{II} and Pyganic® Crop Protection EC 5.0_{II} are OMRI Listed under MGK for organic production.



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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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[†]Debug® Tres Emulsifiable Concentrate Antifeedant, Insect Repellent, Insecticide, Miticide, Fungicide & Nematicide, Debug® Turbo Emulsifiable Concentrate Antifeedant, Insect Repellent, Insecticide, Miticide, Fungicide & Nematicide, DiPel® DF Biological Insecticide Dry Flowable, ProGibb® 40% Plant Growth Regulator Water Soluble Granule, ProGibb® LV Plus Plant Growth Regulator Liquid, ProTone® SG Plant Growth Regulator Soluble Granule, ProVide® 10 SG Plant Growth Regulator Soluble Granule, Pyganic® Crop Protection EC 1.4_{II}, Pyganic® Crop Protection EC 5.0_{II} and XenTari® Biological Insecticide Dry Flowable are NOP compliant and OMRI Listed for organic production.



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