

VALENT GRAPE SOLUTIONS

	ORGANIC SOLUTION	DELAYED-DORMANT The beginning of bud swell, but before the buds fully open.	BUD BREAK As temperatures warm buds begin to swell, then burst (break).	RAPID SHOOT GROWTH Newly emerged shoots grow very rapidly and will continue to grow for several weeks.	BLOOM TO VERAISON The flowering period can be as short as a day or two under warm, dry conditions or as long as a month under very cool, wet weather conditions.	VERAISON Veraison represents the transition from berry growth to berry ripening.	HARVEST The grape is considered ripe when the sugar and remaining acids are well balanced.	POST-HARVEST After harvest, grapevine leaves continue to photosynthesize until frost if temperatures are warm enough.	DORMANCY From leaf fall to the beginning of growth in spring, grapevines are dormant and consist entirely of woody tissue.	
WEED CONTROL	Chateau® EZ Herbicide	Fall residual control of winter broadleaf and grass weeds							Fall residual control of winter broadleaf and grass weeds	
	Select Max® Herbicide with Inside Technology™ (Non-Bearing)	Annual and perennial grasses								
INSECT CONTROL	Belay® Insecticide (Soil Application / Chemigation)	Grape phylloxera (suppression), leafhoppers, mealybugs, sharpshooters				Grape phylloxera (suppression), leafhoppers, mealybugs, sharpshooters				
	Belay® Insecticide (Foliar Application)			Apply only between post-bloom (all flower hoods fallen) and harvest		Grape berry moth, Japanese beetles, leafhoppers, mealybugs, multicolored Asian lady beetle, sharpshooters / 0-day PHI				
	Danitol® 2.4 EC Spray	Cutworms, glassy-winged sharpshooter, grape berry moth, grape leafroller, grapeleaf skeletonizer, Japanese beetle, leafhoppers, orange tortrix, spiders (including a Section 24(c) for black widow spiders), spotted wing drosophila, stink bugs (excluding brown)								
	Debug® Tres† / Debug® Turbo†	X	Beetles, fruit flies, grape berry moth, leafhoppers, leafrollers, mealybugs							
	DiPel® DF Biological Insecticide Dry Flowable†	X	Lepidopteran larvae (worms, caterpillars) pests including European grapevine moth (<i>Lobesia botrana</i>), grape berry moth, grape leafroller, grapeleaf skeletonizer (ground only), light brown apple moth, obliquebanded leafroller							
	Esteem® Ant Bait		Fire ants (Southern California, red imported), big-headed ants and pavement ants							
	Exponent® Insecticide Synergist		For use as a synergist in a tank mix to aid in improving the control of insects							
	Knack® Insect Growth Regulator		Lecanium scale							Lecanium scale
	Pyganic® Crop Protection EC 5.0 _{II} †	X	Aphids, leafhoppers, stink bugs							
	Senstar® Insecticide		Grape phylloxera, grape tumid gallmaker, lecanium scale (suppression), mealybugs, whiteflies					21-day PHI		
	Venom® Insecticide (Soil Application / Chemigation)		Glassy-winged sharpshooters, grape phylloxera (suppression), leafhoppers, thrips, vine mealybugs					28-day PHI (soil)		
	Venom® Insecticide (Foliar Application)		Glassy-winged sharpshooters, leafhoppers, multicolored Asian lady beetle, thrips, vine mealybugs					1-day PHI (foliar)		Do not apply <i>Venom</i> to blooming, pollen-shedding or nectar-producing parts of plants if bees may forage on plants during this time period
MITE CONTROL	Zeal® MVP Miticide		Two-spotted spider mites, Pacific spider mites, Willamette mites, European red mites					14-day PHI		
PLANT GROWTH REGULATORS	ProGibb® Brands	X	Provides cluster elongation/rachis stretch with pre-bloom application, berry thinning at bloom application and increases berry size post-bloom							
	ProTone® SG Plant Growth Regulator Soluble Granule†	X			Enhances red coloration of grapes resulting in earlier harvest, improved harvest management and improved pack-out yield					
DISEASE CONTROL	Intuity® Fungicide		Botrytis bunch rot, powdery mildew (suppression)							

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Always read and follow label instructions.

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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 Solution, ProTone® SG Plant Growth Regulator Soluble Granule and Pyganic® Crop Protection EC 5.0_{II}, are NOP compliant and OMRI Listed for organic production.

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

Danitol is a restricted use pesticide.

To learn more, contact your PCA, retailer or visit valent.com/grapes.



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