

RECOMMENDED APPLICATION TIMING

PESTS	PRODUCT	DORMANT	BUD BREAK	18" GROWTH	BLOOM	BUNCH CLOSURE	VERAISON	PRE-HARVEST	POST-HARVEST
MEALYBUGS	ADMIRE [®] PRO								
	MOVENTO								
	SIVANTO [®] prime								
MITES	envi [®] dor								
NEMATODES/ PHYLLOXERA	MOVENTO [*]								
POWDERY MILDEW, BOTRYTIS	FLINT [®] Extra								
	Luna [®] EXPERIENCE								
	Luna [®] SENSATION								
	SCALA [®]								
	SERENADE [®] ASO								
	SERENADE [®] OPTI								
WEEDS	Alion [®]								
	Roundup [®] HERBICIDE								

*Suppresses nematodes and positively impacts yield as part of an integrated nematode management program.

**Encompasses full portfolio of Roundup[®] brand agricultural herbicides (Roundup PowerMAX[®] and Roundup WeatherMAX[®] herbicides). Please consult the product label for more information, such as approved methods of application. To avoid crop damage, spray solutions of this product must not be allowed to contact desirable vegetation, including green shoots, vines or foliage.

IMPORTANT: This bulletin is not intended to provide all necessary information for use of these products. Read the entire label before using these products. Observe all label directions and precautions while using these products.

For more information, visit www.CropScience.Bayer.us.



The Bayer California Grape Protection Portfolio

Bayer provides solutions to help you grow high-quality wine grapes, increase yields and continuously improve the vigor and longevity of your vineyard.



BAYER COMPLETE CALIFORNIA GRAPE PORTFOLIO

PRODUCT			KEY PESTS/DISEASES CONTROLLED	CHEMICAL CLASS GROUP NO.	REI (HOURS)	PHI (DAYS)	USE RATE*
INSECTICIDES/MITICIDES	Soil Application	A soil-applied systemic insecticide that provides economical and enduring control of damaging insects.	Leafhoppers/sharpshooters, Mealybugs, Nematodes (suppression)	Neonicotinoids IRAC Group 4A	12	30	7 to 14 fl. oz./A
	 Foliar Application	A foliar-applied systemic insecticide that provides economical and enduring control of damaging insects.	Leafhoppers/sharpshooters, Mealybugs (crawlers)	Neonicotinoids IRAC Group 4A	12	0	1 to 1.4 fl. oz./A
		Quickly knocks down a wide range of pests, provides long-lasting residual and high return on investment.	Grape berry moths, Leafhoppers, Leafrollers, Mealybugs (crawlers)	Pyrethroids IRAC Group 3	12	3	2.4 to 3.2 fl. oz./A
		Effectively reduces eggs and stops mite nymphs from progressing to the next developmental stage for greater reduction of mite populations over time.	Pacific spider mites, Twospotted spider mites, Willamette spider mites	Tetronic acids IRAC Group 23	12	14	30 to 34 fl. oz./A
		Features powerful, two-way movement throughout the plant to protect it from a broad range of insects, mites and nematodes.	Mealybugs, Nematodes (suppression), Phylloxera	Tetramic acids IRAC Group 23	24	7	6 to 8 fl. oz./A
		Precisely targets key damaging pests while helping safeguard beneficial insects and mites, including honey bees, to preserve the overall health of your plants and your investment.	Leafhoppers, Mealybugs	Butenolides IRAC Group 4D	12	0	7 to 14 fl. oz./A
FUNGICIDES		Optimum rotational partner with proven broad-spectrum disease control offering enhanced value for growers.	Black rot, Botrytis, Phomopsis, Powdery mildew	FRAC Group 11 (QoI)	12	14	3 to 3.8 fl. oz./A
		Protects against key diseases throughout the growing season, resulting in improved plant health as well as high-quality crops, and provides an effective approach to resistance management.	Black rot, Botrytis, Phomopsis (suppression), Powdery mildew	FRAC Group 7 (SDHI) FRAC Group 3 (DMI)	12; 5 days for grape tying, turning and girdling	14	6 to 8.6 fl. oz./A
		Protects against key diseases throughout the growing season, resulting in improved plant health as well as high-quality crops, and provides an effective approach to resistance management.	Black rot, Botrytis, Phomopsis (suppression), Powdery mildew	FRAC Group 7 (SDHI) FRAC Group 11 (QoI)	12	14	4 to 7.6 fl. oz./A
		A foliar fungicide that provides high-level preventive control against many economically damaging diseases and helps control many resistant disease strains.	Gray mold (Botrytis)	Anilinopyrimidines FRAC Group 9	12	7	Alone: 18 fl. oz./A Tankmixed: 9 to 18 fl. oz./A (supplemental label)
BIOLOGICALS		Protects against the effects of soil and foliar fungal and bacterial diseases.	Botrytis, Powdery mildew, Soil-borne diseases, Sour rot	<i>Bacillus subtilis</i> , QST 713 FRAC Group 44	4	0	2 to 4 qt./A
		Provides protection against foliar fungal and bacterial diseases.	Botrytis, Powdery mildew, Sour rot	<i>Bacillus subtilis</i> , QST 713 FRAC Group 44	4	0	Alone: 14 to 20 oz. Tankmixed: 8 oz.
HERBICIDES		A foundational herbicide offering excellent residual, pre-emergent control of grasses and broadleaf weeds.	A wide spectrum of susceptible grasses and broadleaf weeds when applied prior to seed germination	Cellulose-biosynthesis inhibitor (CBI) WSSA Group 29	12	14	3.5 to 5 fl. oz./A (treated acre) [†]
		Provides consistent post-emergent control, weed to weed and field to field, even tough-to-control weeds.	Annual and perennial weeds	Group 9	4	14	11 fl. oz. to 3.3 qt./A

*See product label for specific rates for target pests.**Baythroid® XL is a Restricted Use Pesticide. ***EnviDor® is for use at post-bloom only. †Depending on soil organic matter. Max 5 fl. oz./A a year. ††Encompasses full portfolio of Roundup® brand agricultural herbicides (Roundup PowerMAX® and Roundup WeatherMAX® herbicides). Please consult the product label for more information, such as approved methods of application. To avoid crop damage, spray solutions of this product must not be allowed to contact desirable vegetation, including green shoots, vines or foliage.