

RECOMMENDED APPLICATION TIMING

PESTS	PRODUCT	PRE-BLOOM	BLOOM	PETAL FALL	FRUIT DEVELOPMENT	POST-HARVEST
ASIAN CITRUS PSYLLIDS	MOVENTO [®]					
	SIVANTO [®] prime					
CA RED SCALE	MOVENTO [®]					
CITRICOLA SCALE	SIVANTO [®] prime					
CITRUS THRIPS	MOVENTO [®]					
	SIVANTO [®] prime					
MITES	envi [®] dor [®] CA					
NEMATODES	MOVENTO [®]					
	VELUM [®] ONE					
ALTERNARIA BROWN SPOT	Luna [®] SENSATION					
PHYTOPHTHORA DISEASES	Aliette [®]					
FOLIAR AND SOIL DISEASES	SERENADE [®] ASO					
WEEDS	Alion [®]					
	Roundup [®] HERBICIDE					

*Encompasses full portfolio of Roundup[®] brand agricultural herbicides (Roundup PowerMAX[®] and Roundup WeatherMAX[®] herbicides). Please consult the product labels for approved types of application; to avoid damage, spray solutions of this product must not be allowed to contact desirable vegetation, including green bark of trunk, branches, suckers, attached fruit or other desirable parts of trees, canes and vines.

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.

Insecticides/Miticides/Nematicides Fungicides
Biologicals Herbicides

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















The Bayer
*California Citrus
Protection Portfolio*

Bayer provides solutions to help you grow high-quality citrus, increase yields and continuously improve the vigor and marketability of your citrus orchard.



BAYER COMPLETE CALIFORNIA CITRUS PORTFOLIO

PRODUCT			KEY PESTS/DISEASES CONTROLLED	CHEMICAL CLASS GROUP NO.	REI (HOURS)	PHI (DAYS)	USE RATE*
INSECTICIDES/MITICIDES/NEMATOCIDES	Soil Application	 A systemic insecticide that provides economical and enduring control of damaging insects.	Asian citrus psyllids, Citricola scale, Citrus leafminers, Sharpshooters	Neonicotinoids IRAC Group 4A	12	0	7 to 14 fl. oz./A Containerized: 0.33 to 0.50 mL/“citra pot” (0.1 ft. ³ container media)
	Foliar Application		Asian citrus psyllids, Citrus leafminers, Glassy-winged sharpshooters				3.5 to 7 fl. oz./A
	 ^{**}	Quickly knocks down a wide range of pests, provides long-lasting residual and high return on investment.	Asian citrus psyllids, Citrus thrips, Glassy-winged sharpshooters	Pyrethroids IRAC Group 3	12	0	1.6 to 6.4 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.	Rust mites, Spider mites, Other phytophagous mites***	Tetronic acids IRAC Group 23	12	7	20 fl. oz./A
	 ^{**}	Features two modes of action against harmful sucking and chewing pests – one delivers fast knockdown, the other extends residual control.	Asian citrus psyllids, Mealybugs	Neonicotinoids IRAC Group 4A Pyrethroids IRAC Group 3	12	0	2.4 to 6.4 fl. oz./A
		Features powerful, two-way movement throughout the plant to protect it from a broad range of insects, mites and nematodes.	Asian citrus psyllids, California red scale, Citrus thrips, Mealybugs, Nematodes (suppression)	Tetramic acids IRAC Group 23	24	1	8 to 10 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.	Asian citrus psyllids, Citricola scale, Citrus thrips (suppression), Katydid nymphs (suppression), Mealybugs	Butenolides IRAC Group 4D	12	1	7 to 14 fl. oz./A
		Moves from the plant's roots to the leaves, not only suppressing nematodes below ground, but also moving throughout the plant to help protect root health and maximize yield potential.	Nematodes (suppression)	FRAC Group 7	12	7	6.84 fl. oz./A (2[ee] rate of 6.25 to 6.84 fl. oz./A)
		Inhibits pathogen growth at several life stages for better overall disease control.	<i>Phytophthora</i> spp. (Brown rot, Foot rot, Gummosis, Root rot)	Phosphonates FRAC Group 33	12	30	2.5 to 5 lb./A 2(ee)
		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.	Alternaria brown spot, Citrus blackspot, Greasy spot, Melanose, Scab	FRAC Group 7 (SDHI) FRAC Group 11 (Qol)	12	7	5 to 7.6 fl. oz./A 2(ee)
BIOLOGICALS		Provides protection against soil and foliar fungal and bacterial diseases through multiple sites of action with a flexible application.	Alternaria leaf spot, Greasy spot, Melanose, Soil-borne diseases	<i>Bacillus subtilis</i> , QST 713 FRAC Group 44	4	0	2 to 4 qt./A 1 to 4 qt./A (as a tankmix)
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	7	5 to 6.5 fl. oz./A (treated acre) max. 10.3 fl. oz./A/yr.
	 [†]	Provides consistent post-emergent control, weed to weed and field to field, even tough-to-control weeds.	Annual and perennial weeds	Group 9	4	1	11 fl. oz. to 3.3 qt./A

*See product label for specific rates for target pests. **Baythroid® XL and Leverage® 360 are Restricted Use Pesticides. Leverage 360 insecticide is labeled for CA and AZ citrus only. ***See label for specific mite targets. †Encompasses full portfolio of Roundup® brand agricultural herbicides (Roundup PowerMAX® and Roundup WeatherMAX® herbicides). Please consult the product labels for approved types of application; to avoid damage, spray solutions of this product must not be allowed to contact desirable vegetation, including green bark of trunk, branches, suckers, attached fruit or other desirable parts of trees, canes and vines.