

RECOMMENDED APPLICATION TIMING

PESTS	PRODUCT	DORMANT	FOLIAGE EMERGENCE/BUD BREAK	BLOOM	SHELL HARDENING	NUT MEAT/ KERNEL GROWTH	NUT RIPENING/ SHELL SPLIT	HARVEST
NEMATODES (SUPPRESSION)	MOVENTO							
	VELUM ONE							
APHIDS, MEALYBUGS, SCALE, WHITEFLIES	MOVENTO							
	SIVANTO prime							
MITES	envydor							
CODLING MOTHS, NAVEL ORANGEWORMS, PLANT BUGS, STINK BUGS	BAYTHROID XL							
ALTERNARIA, ANTHRACNOSE, BLOSSOM AND SHOOT BLIGHT, BOTRYOSPHERA, SEPTORIA	Luna EXPERIENCE							
	Luna SENSATION							
BLOSSOM AND SHOOT BLIGHT, BOTRYOSPHERA	SCALA*							
BACTERIAL DISEASES, BROWN ROT	SERENADE ASO							
	SERENADE OPTI							
SOIL-BORNE DISEASES	SERENADE ASO							
WEEDS	Alion							
	Roundup**							

■ Insecticides/Miticides/Nematicides
 ■ Fungicides
 ■ Biologicals
 ■ Herbicides

*Not registered for use on walnut.

**Encompasses full portfolio of Roundup® brand agricultural herbicides (Roundup PowerMAX® and Roundup WeatherMAX® herbicides). Please consult 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.

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

Signal word for Baythroid® XL: WARNING. Signal word for all products: CAUTION.

© 2019 Bayer Group. Always read and follow label instructions. Bayer, the Bayer Cross, Alion, Baythroid, Envidor, Luna Experience, Luna Sensation, Movento, Roundup, Roundup PowerMAX, Roundup WeatherMAX, Scala, Serenade, Sivanto, and Velum are registered trademarks of the Bayer Group. Baythroid XL is a Restricted Use Pesticide. Not all products are registered for use in all states. For additional product information, call toll-free 1-866-99-BAYER (1-866-992-2937) or visit our website at www.CropScience.Bayer.us. Bayer CropScience LP, 800 North Lindbergh Boulevard, St. Louis, MO 63167. CR0119MULTIPB581S00R0



The Bayer Pistachio and Walnut Protection Portfolio

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



BAYER COMPLETE PISTACHIO AND WALNUT PORTFOLIO

	PRODUCT	KEY PESTS/DISEASES CONTROLLED	CHEMICAL CLASS GROUP NO.	REI (HOURS)	PHI (DAYS)	USE RATE*	
INSECTICIDES/MITICIDES/NEMATOCIDES	 BAYTHROID XL *	Quickly knocks down a wide range of pests, provides long-lasting residual and high return on investment.	Codling moths, Leafhoppers, Navel orangeworms, Peach twig borers, Stink bugs	Pyrethroids IRAC Group 3	12	14	1.4 to 2.8 fl. oz./A
	 envidor	Effectively reduces eggs and stops mite nymphs from progressing to the next developmental stage for greater reduction of mite populations over time.	Brown mites, European red mites, Pacific spider mites, San Jose scale (suppression), Twospotted spider mites	Tetrionic acids IRAC Group 23	12	7	14 to 34 fl. oz./A
	 MOVENTO	Features powerful, two-way movement throughout the plant to protect it from a broad range of insects, mites and nematodes.	Aphids, Mealybugs, Nematodes (suppression), Phylloxera, Scale, Whiteflies	Tetramic acids IRAC Group 23	24	7	6 to 9 fl. oz./A
	 SIVANTO prime	Precisely targets key damaging pests with minimal impact on beneficial insects and mites, including honey bees, to preserve the overall health of your plants and your investment.	Aphids, Whiteflies	Butenolides IRAC Group 4D	4	14	7 to 14 fl. oz./A
	 VELUM ONE	Moves from the plant's roots to the leaves, not only suppressing nematodes below ground, but also throughout the plant to help protect root health, suppress key diseases and maximize yield potential.	Nematodes (suppression), Septoria (suppression, AZ only)	FRAC Group 7	12	14	6.84 fl. oz./A (Septoria) 6.5 to 6.84 fl. oz./A with 2(ee)
FUNGICIDES	 Luna EXPERIENCE	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, Anthracnose, Blossom and shoot blight, Botryosphaeria, Septoria	FRAC Group 7 (SDHI) FRAC Group 3 (DMI)	12	35	6.4 to 17 fl. oz./A 6 to 8 fl. oz./A with 2(ee)
	 Luna SENSATION	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, Anthracnose, Blossom and shoot blight, Botryosphaeria, Septoria	FRAC Group 7 (SDHI) FRAC Group 11 (QoI)	12	28 (pistachios) 60 (walnuts)	5 to 7.6 fl. oz./A
	 SCALA ***	Provides high-level preventive control against many economically damaging diseases and helps control many resistant disease strains.	Blossom and shoot blight, Botryosphaeria	Anilinopyrimidines FRAC Group 9	12	30	9 to 18 fl. oz./A
BIOLOGICALS	 SERENADE ASO	Provides protection against soil and foliar fungal and bacterial diseases through multiple sites of action with a flexible application.	Alternaria leaf spot, Brown rot, Soil-borne diseases	<i>Bacillus subtilis</i> , QST 713 FRAC Group 44	4	0	2 to 4 fl. oz./A
	 SERENADE OPTI	Provides protection against foliar fungal and bacterial diseases through multiple sites of action with a flexible application.	Alternaria leaf spot, Brown rot	<i>Bacillus subtilis</i> , QST 713 FRAC Group 44	4	0	14 to 20 oz./A
HERBICIDES	 Alion	A foundational herbicide offering excellent residual, pre-emergent control of grasses and broadleaf weeds.	A wide spectrum of annual grasses and broadleaf weeds when applied prior to seed germination	Cellulose-biosynthesis inhibitor (CBI) WSSA Group 29	12	14	3.5 to 6.5 fl. oz./A (treated acre) depending on % organic matter max. 10.3 fl. oz./A/yr.
	 Roundup HERBICIDE †	Provides consistent post-emergent control, weed to weed and field to field, even tough-to-control weeds.	Annual and perennial weeds	Group 9	4	3	3 fl. oz. to 3.3 qt./A

*See product label for specific rates for target pests. **Baythroid® XL is a Restricted Use Pesticide. ***Not registered for use on walnut. †Encompasses full portfolio of Roundup® brand agricultural herbicides (Roundup PowerMAX® and Roundup WeatherMAX® herbicides). Please consult 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.