

RECOMMENDED APPLICATION TIMING

PESTS	PRODUCT	DORMANT	HALF-INCH GREEN/ TIGHT CLUSTER	PINK/FULL BLOOM	PETAL FALL/ FRUIT SET	SUMMER	PRE-HARVEST	POST-HARVEST
MITES: EUROPEAN RED, RUST, TWOSPOTTED SPIDER	envi [®] dor							
APHIDS, LEAFHOPPERS, PSYLLIDS, SCALE	MOVENTO							
	SIVANTO [®] prime*							
NEMATODES	VELUM [®] PRIME							
APPLE SCAB, POWDERY MILDEW	FLINT [®] Extra							
	Luna [®] SENSATION							
	Luna [®] TRANQUILITY							
FLYSPECK, SOOTY BLOTCH	FLINT [®] Extra							
	Luna [®] SENSATION							
FIRE BLIGHT	SERENADE [®] ASO							
	SERENADE [®] OPTI							
SOIL-BORNE DISEASES	SERENADE [®] ASO							
WEEDS	Alion [®]							
	Roundup [®] HERBICIDE**							

*Not registered for use in New York. Do not tankmix with azole fungicides (FRAC Group 3) during bloom period.

**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 bark of trunk, branches, suckers, attached fruit or other desirable parts of trees, canes and vines.

■ Insecticides/Miticides ■ Fungicides
■ Biologicals ■ Herbicides

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.



The Bayer Northeast Apple Protection Portfolio

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
















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

Signal word for Baythroid[®] XL and Leverage[®] 360: WARNING. Signal word for all other products: CAUTION.

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BAYER COMPLETE NORTHEAST APPLE 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.	Aphids (including woolly apple aphids), Leafhoppers	Neonicotinoids IRAC Group 4A	12	21	7 to 10.5 fl. oz./A
	 Foliar Application A foliar-applied systemic insecticide that provides economical and enduring control of damaging insects.	Aphids (except woolly apple aphids), Apple maggots, Leafhoppers	Neonicotinoids IRAC Group 4A	12	7	1.4 to 2.8 fl. oz./A
	 Quickly knocks down a wide range of pests, provides long-lasting residual and high return on investment.	Apple maggots, Leafhoppers, Leafrollers, Plant bugs, Plum curculios, Stink bugs	Pyrethroids IRAC Group 3	12	7	1.4 to 2.8 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.	Apple rust mites, European red mites, McDaniel spider mites, Pacific spider mites, Pear rust mites, Twospotted spider mites	Tetrionic acids IRAC Group 23	12	7	16 to 18 fl. oz./A
	 Features two modes of action against sucking and chewing pests – one delivers fast knockdown, the other extends residual control.	Aphids (except woolly apple aphids), Apple maggots, Leafrollers, Plant bugs, Plum curculios, Stink bugs	Neonicotinoids IRAC Group 4A + Pyrethroids IRAC Group 3	12	7	2.4 to 2.8 fl. oz./A
	 Features powerful, two-way movement throughout the plant to protect it from a broad range of insects, mites and nematodes.	Aphids, Psyllids, Scale	Tetramic acids IRAC Group 23	24	7	6 to 9 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.	Aphids, Leafhoppers, Oystershell scale, Pear psylla, San Jose scale	Butenolides IRAC Group 4D	4	14	7 to 14 fl. oz./A
FUNGICIDES	 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	6.5 to 6.84 fl. oz./A
	 Provides proven broad-spectrum disease control offering enhanced value for growers.	Cedar apple rust, Flyspeck, Powdery mildew, Scab, Sooty blotch, Various rots (suppression)	FRAC Group 11 (QoI)	12	14	Alone: 2 to 2.9 fl. oz./A Tankmixed: 2 fl. oz./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.	Gray mold, Powdery mildew, Scab, Summer diseases, Various rots	FRAC Group 7 (SDHI) FRAC Group 11 (QoI)	12	14	4 to 5.8 fl. oz./A
BIOLOGICALS	 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.	Apple scab, Gray mold, Powdery mildew	FRAC Group 7 + FRAC Group 9 (AP)	12	72	11.2 to 16 fl. oz./A
	 Protects against the effects of soil and foliar fungal and bacterial diseases.	Fire blight (foliar-applied), Soil-borne diseases (soil-applied)	<i>Bacillus subtilis</i> , QST 713 FRAC Group 44	4	0	2 to 4 qt./A
HERBICIDES	 Provides protection against foliar fungal and bacterial diseases.	Fire blight (suppression)	<i>Bacillus subtilis</i> , QST 713 FRAC Group 44	4	0	14 to 20 oz./A
	 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 soil organic matter content. 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. ***Not registered for use in New York. †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 bark of trunk, branches, suckers, attached fruit or other desirable parts of trees, canes and vines.