

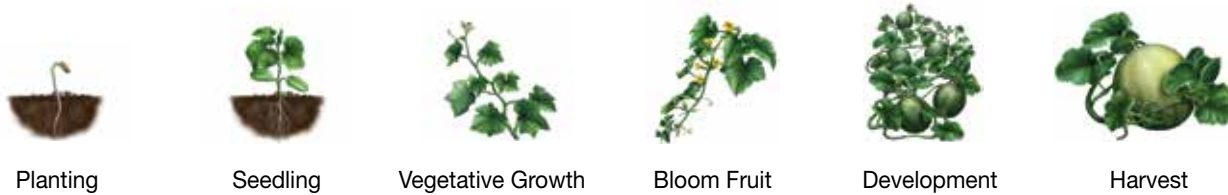
Cucurbit West

QUICK GUIDE

Bayer provides you with solutions to help grow high-quality cucurbits, increase yields and continuously improve the vigor and longevity of your cucurbit crop.



RECOMMENDED APPLICATION TIMING



	Planting	Seedling	Vegetative Growth	Bloom Fruit	Development	Harvest	
NEMATODES							Use Velum® One for early-season protection from damaging nematodes to help preserve root health and establish the crop.
APHIDS							Control aphids with Sivanto™ Prime to help protect the quality of your cucurbits.
WHITEFLIES							Prevent whitefly disease transmission with Sivanto Prime's rapid feeding cessation properties.
MITES							Keep mites in check with Oberon® for excellent residual control and control of all mite life stages.
DOWNY MILDEW							Protect your crop with an effective fungicide program using established and proven brands from Bayer.
POWDERY MILDEW							Include the latest Luna® innovations from Bayer to build an effective fungicide program that protects your crop quality.
SOIL-BORNE DISEASES							Use Serenade® ASO to support strong root systems and to help ensure high quality for your crops.

Successfully manage
crops all the way from
seeding to harvest and
sustain your business
for years to come.

BAYER COMPLETE CUCURBIT PORTFOLIO

Product	Key Pests/Diseases Controlled	Chemical Class Group No.	REI (hours)	PHI (days)	Use Rate*	Rainfast	Applications
SEEDS nunhems Bayer is a global specialist in the field of vegetable seeds. For more information regarding its U.S. melon seed varieties, please visit www.nunhemsusa.com or call customer service at (800) 733-9505.							
INSECTICIDES/MITICIDES							
ADMIRE PRO	Aphids Bacterial wilt (suppression) Cucumber beetles Leaf silvering from whitefly feeding (suppression) Leafhoppers Thrips (foliage-feeding) Whiteflies	Neonicotinoids IRAC Group 4A	12	21	7 to 10.5 fl. oz./A	N/A	Chemigation into root zone or in-furrow spray
BAYTHROID XL	Cabbage loopers Cucumber beetles Cutworms Lygus bugs Melonworms	Pyrethroids IRAC Group 3	12	0	0.8 to 2.8 fl. oz./A**	N/A	Min. 10 gal./A ground, 2 gal./A air
o-b-e-r-o-n	Twospotted spider mites Whiteflies	Tetrionic acids IRAC Group 23	12	7	7 to 8.5 fl. oz./A (2 SC)	Once dry on leaf surface	Min. 10 gal./A ground, 5 gal./A air
SIVANTO prime	Aphids Leafhoppers Whiteflies Cucurbit yellow stunting disorder virus (suppression)	Butenolides IRAC Group 4D	4 (12 in CA)	21	21 to 28 fl. oz./A	N/A	Chemigation into root zone, pre-plant injection below seed line, in transplant water or post-transplant drench
VELUM ONE	Nematodes (suppression) Powdery mildew (suppression)	FRAC Group 7	12	0	6.84 fl. oz./A	N/A	Chemigation into root zone (drip)
FUNGICIDES							
Aliette	Downy mildew Phytophthora root and fruit rots	Phosphonates FRAC Group 33	12	12 hours	2 to 5 lbs./A	1 hour	Min. 20 gal./A ground, 10 gal./A air
FLINT	Downy mildew Plectosporium blight Powdery mildew	Qol FRAC Group 11	12	0	1.5 to 4 oz./A	2 hours	Min. 10 gal./A ground, 5 gal./A air
Luna EXPERIENCE	Alternaria leaf spot Anthracnose Belly rot Gummy stem blight Powdery mildew	FRAC Group 7 (SDHI) + FRAC Group 3 (DMI)	12	7	6 to 17 fl. oz./A	2 hours	Min. 2 gal./A air
Luna SENSATION	Alternaria leaf spot Anthracnose** Belly rot (suppression)*** Botrytis gray mold Gummy stem blight (suppression)*** Powdery mildew	FRAC Group 7 (SDHI) + FRAC Group 11 (Qol)	12	7	4 to 7.6 fl. oz./A	2 hours	Min. 2 gal./A air
Previcur FLEX	Downy mildew Pythium root rot and seedling diseases	Carbamates FRAC Group 28	12	2	1.2 pt./A or 0.6 to 1.2 pt./A + tankmix	30 minutes	Min. 15 gal./A ground, 5 gal./A air; apply as tankmix or alternate with different mode of action for resistance
PROLINE+	Fusarium Gummy stem blight Powdery mildew Southern blight	FRAC Group 3 (DMI)	12	7	5.7 fl. oz./A	2 hours	Foliar and chemigation (drip)
REASON	Alternaria leaf spot Downy mildew	Qol FRAC Group 11	12	14	5.5 fl. oz./A	1 hour	Min. 15 gal./A ground, 5 gal./A air
SERENADE ASO	Phytophthora Pythium Rhizoctonia	<i>Bacillus subtilis</i> , QST 713 FRAC Group 44	4	0	2 to 4 qts./A	N/A	Soil application: In transplant water or chemigation into root zone Foliar application: May also be applied for foliar disease control – see label for details

*Rates may vary by country and state. Please consult the product label for detailed information.

**See label for specific rates for target pests.

***Not for use in CA without a supplemental label. Luna brands are not yet registered in CA and NY.

*Not approved for use in CA.

Signal word for all products: Caution. Baythroid® XL is a Restricted Use Pesticide. Not all products are registered for use in all states. Please consult product labels for more information.

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

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