



SUGAR BEET RESOURCE GUIDE

Discover trusted insight and proven agronomic support for your sugar beet acres.

This guide brings together our top recommendations, product solutions, and regionally relevant strategies – all in one place.

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Innvictis Crop Care® offers a variety of products for use on sugar beets at every stage in the growing process. Innvictis Crop Care strives to provide an answer for every sugar beet acre by offering products at every stage in the growing cycle from burndown through harvest.

PRODUCT	AI	MOA	DESCRIPTION	COMPARABLE PRODUCT	USE RATE	TARGET PEST
PREEMERGE						
DEVOUR®**	Paraquat: 3 lb/gal	22: Photosystem I Electron Diverter	Non selective, broad spectrum burndown herbicide.	Gramoxone®	1.3 – 2.7 pts/A	Grasses and Broadleaves
PREEMERGE THROUGH POSTEMERGE						
AVATAR™	Clethodim: 2 lb/gal	1: ACC Inhibitor (Acetyl CoA Carboxylase)	Most commonly used AI for post emergence grass herbicide.	Select® 2 EC	6 – 16 oz/A	Grasses
AVATAR™ S2™	Clethodim: 2 lb/gal	1: ACC Inhibitor (Acetyl CoA Carboxylase)	The only premium 2 lb/gal per gallon proprietary formulation clethodim based herbicide on the market.	Unique to Innvictis Crop Care	6 – 16 oz/A	Grasses
FEVER® HERBICIDE¹	Glufosinate: 2.34 lb/gal	10: Glutamine Synthetase Inhibitor	Non-Selective, standalone glufosinate herbicide that can be used for burndown or on crops that utilize the LibertyLink system, aiding to a strong weed control program.	Liberty® Herbicide	29 – 36 oz/A	Broadleaves
POSTEMERGE						
SAVANT®	Clopyralid: 3 lb/gal	4: Synthetic Auxin	Clopyralid powers performance in this post-emerge herbicide providing contact and residual activity for tough-to-control broadleaf weeds like Canada and musk thistle.	Stinger®	¼ – ⅔ pts/A	Broadleaves
VISOR® II XRT	S-metolachlor: 5.69 lb/gal Safener	15: Very Long Chain Fatty Acid Inhibitor	Selective preplant surface applied, preplant incorporated, or preemergence herbicide for control of most annual grasses and broadleaf weeds in a broad variety of crops. Includes our proprietary technology XRT extended residual technology.	Unique to Innvictis Crop Care	1.3 – 2.2 pts/A²	Grasses and Broadleaves
VISOR® S-MOC HERBICIDE	S-metolachlor: 7.62 lb/gal	15: Very Long Chain Fatty Acid Inhibitor	Metolachlor based herbicide. Foundation herbicide that controls grasses and certain broadleaf weeds.	Dual® Magnum	1 – 1.67 pts/A²	Grasses and Broadleaves
VISOR® S-MOC II HERBICIDE	S-metolachlor: 7.64 lb/gal Safener	15: Very Long Chain Fatty Acid Inhibitor	Metolachlor based herbicide + safener for use in sugar beets.	Dual® II Magnum	1 – 1.67 pts/A²	Grasses and Broadleaves
INSECTICIDES						
LANVEER™ LV*	Methomyl: 2.4 lb/gal	1A: Carbamates	A broad-spectrum insecticide that offers rapid knockdown of piercing and sucking insects and foliage feeders for use in a broad list of crops.	Lannate® LV	¾ – 3 pts/A	Flea Beetles, Carrion Beetles, Beet Webworm
SEVER™ 0.5 G	Pyriproxyfen: 0.5%	7C: Juvenile Hormone Mimic	This hard-hitting insect growth regulator causes substantial colony mortality within 3–4 weeks by breaking the reproductive life cycle of ants. This pyriproxyfen-based insecticide is available for use on a multitude of crops.	Esteem® ANT BAIT	1.5 – 2 lb/A	Ants
VEXER® INSECTICIDE	Methoxyfenozide: 2 lb/gal	18: Ecdysone Receptor Agonist	Superior control of a broad spectrum of tough-to-control lepidopterous insects with long-lasting residual from the active methoxyfenozide.	Intrepid 2F®	8 – 16 oz/A	Armyworms, Loopers
FUNGICIDES (IN FURROW)						
TREVO® FUNGICIDE	Azoxystrobin: 2.08 lb/gal	11: Qol (Strobilurin)	Trevo Fungicide is an azoxystrobin based broad spectrum fungicide for use on a wide range of crops including sugar beets.	Quadris®	0.40–0.80 fl oz/1000 row feet	Pythium, Rhizoctonia Solani
FUNGICIDES (FOLIAR)						
INNLIVEN™ ELITE	Pyraclostrobin: 2.23 lb/gal Difenaconazole: 1.9 lb/gal	11: Qol (Strobilurin) 3: DMI (Triazole)	Dual mode of action fungicide with broad-spectrum disease control. Proprietary premix fungicide unique to Innvictis for use on sugar beets.	Unique to Innvictis Crop Care	7.7 oz/A	Alternaria Leaf Spots, Beet Rust, Cercospora, Powdery Mildew



PRODUCT	AI	MOA	DESCRIPTION	COMPARABLE PRODUCT	USE RATE	TARGET PEST
INNIVEN™ P	Pyraclostrobin: 2.23 lb/gal Propiconazole: 1.91 lb/gal	11: QoI (Strobilurin) 3: DMI (Triazole)	Unique premix fungicide that provides disease control and plant health in many agricultural crops. Contains pyraclostrobin and propiconazole to enhance control over rusts and leaf spot and blight diseases.	Unique to Innvictis Crop Care	7.5 oz/A	Cercospora, Powdery Mildew, Rhizoctonia
INNIVEN™ TRZ	Pyraclostrobin: 2.26 lb/gal Tetraconazole: 1.24 lb/gal	11: QoI (Strobilurin) 3: DMI (Triazole)	A fast-acting, dual mode of action fungicide that controls over 30 major crop diseases. The combination of preventative and curative activity, proven disease control, and increased plant health is delivered.	Unique to Innvictis Crop Care	8.3 - 10.5 oz/A	Cercospora, Powdery Mildew, Rhizoctonia
IVC SUPER SIX LIQUID SULFUR	Elemental Sulfur: 6 lb/gal	M 02: Inorganic	IVC Super Six Liquid Sulfur is an elemental sulfur containing product that controls both troublesome diseases and mites. Powdery mildew and scab are no match.	Suffa®	0.3 - 1 gal/A	Powdery Mildew, Red Spider Mites
MANCOVO™ 75 WDG	Mancozeb: 75%	M3: Multi-Site contact	Multisite fungicide providing control of damaging diseases like cercospora. Powered by mancozeb, this class M3 fungicide is a great fit for diverse crop species.	Manzate Pro-Stick	1.5 - 2 lb/A	Cercospora
OVON™ 4.5	Thiophanate-methyl: 4.5 lb/gal	1: MBC (thiophanates)	Protect your crops from disease with Ovon 4.5 fungicide. This broad-spectrum fungicide protects against cercospora, powdery mildew, and more diseases on a multitude of crops.	Topsin® 4.5FL	10 - 20 oz/A	Cercospora, Powdery Mildew
OVON™ 70 WSB	Thiophanate-methyl: 70%	1: MBC (thiophanates)	Protect your crops with the potent power of Ovon 70 WSB. This broad-spectrum T-Methyl based fungicide provides systemic control over destructive diseases like cercospora, powdery mildew, and more on a wide variety of crops.	Topsin® M WSB	0.5 - 1 lb/A	Cercospora, Powdery Mildew
TREVO® FUNGICIDE	Azoxystrobin: 2.08 lb/gal	11: QoI (Strobilurin)	Trevo Fungicide is an azoxystrobin based broad spectrum fungicide for use on a wide range of crops including sugar beets.	Quadris®	6 - 20 oz/A	Leaf Spot, Rust
					9 - 15.5 oz/A	Cercospora, Powdery Mildew
TREVO® DCZ	Azoxystrobin: 1.67 lb/gal Difenoconazole: 1.05 lb/gal	11: QoI (Strobilurin) 3: DMI (Triazole)	Trevo DCZ has multiple modes of action which contribute to a strong IPM strategy. Trevo DCZ can be sprayed on a variety of crops for flexibility. With two effective active ingredients, Trevo DCZ provides preventative and curative properties.	Quadris® Top	10 - 14 oz/A	Cercospora, Powdery Mildew
TREVO® ELITE	Azoxystrobin: 1.88 lb/gal Difenoconazole: 1.88 lb/gal	11: QoI (Strobilurin) 3: DMI (Triazole)	Trevo Elite is a broad-spectrum product containing two fungicides. It has preventative, systemic, and curative properties and is recommended to control many important plant diseases.	Quadris® Top SBX	7 - 7.5 oz/A	Cercospora, Powdery Mildew
TREVO® P	Azoxystrobin: 1.18 lb/gal Propiconazole: 1.02 lb/gal	11: QoI (Strobilurin) 3: DMI (Triazole)	Trevo P combines the power of two active ingredients, azoxystrobin and propiconazole, which offer two unique modes of action for enhanced disease control.	Quilt Xcel®	14 oz/A	Cercospora, Powdery Mildew, Rhizoctonia
TREVO® TRZ DRV	Azoxystrobin: 0.625 lb/gal Tetraconazole: 0.5 lb/gal	11: QoI (Strobilurin) 3: DMI (Triazole)	Trevo TRZ DRV is a broad-spectrum, preventive fungicide with systemic and curative properties, and includes DRV technology driving more active ingredient into the plant more effectively.	Unique to Innvictis Crop Care	16 - 26.2 oz/A	Cercospora, Powdery Mildew, Ramularia leaf spot
VAUNT™ XL	Mefenoxam: 4 lb/gal	4: PA (Phenylamides)	For the control of certain diseases in various crops caused by the oomycete class of fungi.	Ridomil Gold® SL	1 - 2 pts/A	Pythium
VIGIL®	Propiconazole: 3.6 lb/gal	3: DMI (Triazole)	Powdery mildew, leaf spots, and many other diseases are controlled in many different crops. Broad-spectrum and crop diversity powered by propiconazole.	Tilt®, Bumper® 41.8	4 oz/A	Leaf Spot, Powdery Mildew
XUVANCE™	Cyprodinil: 75%	9: AP (Anilino Pyrimidines)	Fungicide containing cyprodinil that offers systemic, long-lasting protection against a wide range of diseases throughout a broad variety of crops. Inhibits leaf penetration and growth of pathogens inside plant tissue.	Vanguard® WG	5.5 - 7 oz/A	Alternaria Leaf Blight, Powdery Mildew
XUVIA™	Cyprodinil: 37.5% Fludioxonil: 25%	9: AP (Anilino Pyrimidines) 12: PP (Phenylpyrroles)	Pre-mix containing cyprodinil and fludioxonil that delivers two modes of action against alternaria leaf blight and powdery mildew. Provides long-lasting control on multiple crops through various stages in the pathogen life cycle.	Switch® WG	11 - 14 oz/A	Alternaria Leaf Blight, Powdery Mildew



PRODUCT	FUNCTIONS	DESCRIPTION	USE RATE
ADJUVANTS			
 ADVERSARY™	Spreader, Drift Control Agent, Penetrant	Adversary is a powerful spreader, drift control agent, and penetrant designed to enhance droplet size while still allowing for optimal spreading and adhesion on the leaf surface.	0.25% v/v
 AVIATOR™	Nonionic Surfactant, Spreader, Sticker, Penetrant, Humectant, Acidifier, Water Conditioning Agent	Aviator is a non-ionic surfactant, water conditioning agent, and acidifier. Aviator enhances coverage, adhesion, and penetration of spray solutions while protecting herbicides from hard water tie-up.	0.25% v/v
 VALKARIE™	Nonionic Surfactant, Spreader, Penetrant, Deposition Aid, Sticker	Valkarie is an NPE free non-ionic surfactant, formulated to improve deposition, spreading, and adhesion of a spray solution. Valkarie is able to soften a leaf's waxy cuticle, leading to increased penetration and movement to the site of action.	0.25% v/v
VENTURI®	Penetrant, Deposition Aid, Nonionic Surfactant	Venturi is a nonionic surfactant and highly refined paraffinic oil, which also includes functioning agents to improve penetration and deposition. Venturi maximizes the activity and effectiveness of soil pesticides.	1% v/v
VERIMAX® AMS	Water Conditioning Agent, Deposition Agent	Verimax AMS is a multi-functional water conditioner and deposition agent for post-emergent herbicide, defoliant, and desiccant sprays. Verimax AMS can contribute to more effective sprayer applications and increase pesticide performance.	0.25 - 0.75% v/v
VIXEN® AC-L	Water Conditioning Agent	Vixen AC-L is a convenient liquid water conditioner and amine compatible formulation. Vixen AC-L increases absorption and translocation and utilizes sequestering agents to condition water.	0.5 - 2 qts/100 gal

Simplot Grower Solutions has the personnel, equipment, products, and expertise to help protect your crop and maximize yield potential. The early season postemergence recommendations below combine the best pesticide applications and deliver critical nutrition to increase early season growth and vigor by protecting the seedling against both abiotic stresses and pests necessary to drive yield.


22 – 32 oz/A

Envy™ Six Max provides the fastest translocation activity of all our Envy brands. Excellent tank mix compatibility and superior crop safety for glyphosate resistant crops makes Envy Six Max our most widely used glyphosate product.


4–10.56 oz/A

Savant® herbicide provides post-emergence and residual activity of tough to control broadleaf weeds like Canada thistle. Many herbicides provide control of thistle populations, but Savant is a long term solution to this weed species and can significantly reduce populations into the next growing season. Savant is labeled across key crops and is compatible with most other herbicides, making it an excellent tank mix partner.


0.25% v/v or 1 qt/100 gallons

Valkarie™ is an NPE free non-ionic surfactant, formulated to improve deposition, spreading, and adhesion of a spray solution. Valkarie is able to soften a leaf's waxy cuticle, leading to increased penetration and movement to the site of action.


½ – 4 pts/A

AnovA® is derived from plants, for plants. AnovA is an amino acid complex in the form of polypeptides. AnovA helps mitigate stresses that plants may encounter at different growth stages during the growing season, increases nutrient absorption through the roots and leaves, and promotes root growth, development, and plant vigor.


2 oz/A

MavRx® is an innovative and unique blend of plant growth regulators backed by Innvictis BioScience's VaRx Technology. IBA and kinetin are plant growth regulators that promote root development, growth, and proliferation, as well as increase vegetative growth. The VaRx technology also stimulates root and shoot growth, improves nutrient absorption, and helps mitigate environmental or herbicide stresses.

