



COTTON RESOURCE GUIDE

Discover trusted insight and proven agronomic support for your cotton acres.

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

Use the page numbers to the right to jump straight to the sections you need. From start to finish, it's built to deliver an answer for every acre.

INDEX

2

Cotton Crop Care Product Portfolio



Innqvictis Crop Care® offers a variety of products for use on Cotton at every stage in the growing process. Innqvictis Crop Care strives to provide an answer for every cotton acre by offering products at every stage of the growing cycle from burndown through defoliation.

PRODUCT	AI	MOA	DESCRIPTION	COMPARABLE PRODUCT	USE RATE	TARGET PEST
BURNDOWN						
DEVOUR**	Paraquat: 3 lb/gal	22: Photosystem I Electron Diverter	Non selective, broad spectrum burndown herbicide.	Gramoxone®	1.7 – 2.7 pts/A	Grass and Broadleaves
HAVOC™ LV-SIX	2,4-D Ester: 5.5 lb/gal	4: Synthetic Auxin	A low volatility 6 lb 2,4-D ester formulation is easier to handle with its higher concentration.	Agri Star® LV6	2/3 – 2 2/3 pts/A	Broadleaves
PAVILION 3.3 EC HERBICIDE	Pendimethalin: 3.3 lb/gal	3: Microtubule Assembly Inhibitor	A pendimethalin-based herbicide providing long-lasting, dependable, broad-spectrum residual weed control	Prowl® 3.3 EC	1.2 – 4.8 pts/A ³	Grass and Broadleaves
STREVIN™ 2EC	Carfentrazone-ethyl: 2 lb/gal	14: PPO Inhibitor	Versatile tool for preplant burndown, post emergence weed control and preharvest defoliation in a broad spectrum of crops.	Aim® EC	0.5 – 1.6 oz/A	Broadleaves
VARSITY®	Flumioxazin: 51%	14: PPO Inhibitor	Broad spectrum herbicide for spring and fall burndown programs.	Valor® SX	1 – 2 oz/A	Broadleaves
VARSITY® SC	Flumioxazin: 4 lb/gal	14: PPO Inhibitor	Broad spectrum herbicide for spring and fall burndown programs.	Valor® EZ	1 – 2 oz/A	Broadleaves
VERITAS® LV	DGA Dicamba: 4 lb/gal	4: Synthetic Auxin	A water-soluble formulation for control and suppression of many annual, biennial, and perennial broadleaf weeds	Clarity®	8 oz/A	Broadleaves
BURNDOWN, PREEMERGENCE, POSTEMERGENCE						
AVATAR™	Clethodim: 2 lb/gal	1: ACC Inhibitor (Acetyl CoA Carboxylase)	Most commonly used AI for post emergence grass herbicide labeled for cotton.	Select® 2 EC	6 – 16 oz/A	Grass
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 Innqvictis Crop Care	6 – 16 oz/A	Grass
ENVY™ K SIX¹	K Salt Glyphosate: 5.5 lb/gal	9: EPSP Synthase Inhibitor	Highly loaded potassium salt glyphosate with a built-in premium surfactant package. Formulated with a high acid load per gallon, allowing for strong performance at lower use rate.	Honcho® K6	22 oz/A	Grass and Broadleaves
FEVER® HERBICIDE²	Glufosinate: 2.34 lb/gal	10: Glutamine Synthetase Inhibitor	Non-selective herbicide that can be used for burndown or on crops that utilize the LibertyLink® system.	Liberty® Herbicide	29 – 43 oz/A	Grass and Broadleaves
PAVILION H2O	Pendimethalin: 3.8 lb/gal	3: Microtubule Assembly Inhibitor	Herbicide containing pendimethalin that controls grass and broadleaf weeds, improved by water based formulation featuring decreased odor and staining. Same reliable control of grass and broadleaf weeds as other pendimethalin based herbicides.	Prowl® H2O	1 – 4 pts/A ³	Grass and Broadleaves
VISOR® S-MOC HERBICIDE	S-metolachlor: 7.62 lb/gal	15: Very Long Chain Fatty Acid Inhibitor	Metolachlor based herbicide. Foundation herbicide for cotton. Controls grasses and certain broadleaf weeds.	Dual® Magnum	0.5 – 1.33 pts/A ³	Grass 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 cotton.	Dual® II Magnum	0.5 – 1.33 pts/A ³	Grass and 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 Innqvictis Crop Care	0.65 – 1.75 pts/A ³	Grass and Broadleaves
POSTEMERGE						
GOVEE™	Oxyfluorfen: 2 lb/gal	14: PPO Inhibitor	Provides long-lasting pre and post-emergence activity on many broadleaf weeds and grasses. Ideal for residual herbicide programs.	Goal® 2XL	1 – 2 pts/A	Broadleaves



PRODUCT	AI	MOA	DESCRIPTION	COMPARABLE PRODUCT	USE RATE	TARGET PEST
INSECTICIDES (FOLIAR)						
AMAVI™ SC	Abamectin: 0.7 lb/gal	6: Avermectins	Amavi SC is a reliable miticide and insecticide for diverse crop groups. From row crops to specialty crops, this abamectin based insecticide controls mite, leaf miner, thrips, and psyllid species with a wide window of application methods.	Agri-Mek® SC	1 – 3.5 oz/A	Spider mites
AVENGER™ MAX*	Bifenthrin: 2 lb/gal Imidacloprid: 1 lb/gal	3A: Pyrethroid 4A: Neonicotinoid	Avenger Max is a proprietary formulation of bifenthrin and imidacloprid, offering dual modes of action for insect control. Containing high loads of active ingredient, Avenger Max can provide optimal performance at low use rates on a wide array of crops.	Unique to Innvictis Crop Care	2.6 – 6.4 oz/A	Aphids, Lygus spp., Stinkbug spp., Armyworms, Bollworm, Cutworm
INNTERVE™ SC	Etoazole: 2.88 lb/gal	10B: Mite Growth Inhibitor	Miticide that offers fast delivery and long lasting control on various mites. Etoazole active adequately eliminates mites at the ovicide/larvicide stages. Broad crop use with excellent performance.	Zeal® SC	1.33 – 2 oz/A	Spider mites
INNTERVE™ WSB	Etoazole: 72%	10B: Mite Growth Inhibitor	Miticide that offers fast delivery and long lasting control on various mites. Etoazole active adequately eliminates mites at the ovicide/larvicide stages. Broad crop use with excellent performance.	Zeal®	0.66 – 1 oz/A	Spider mites
INNOXIA™ EC	Indoxacarb: 15.84%	22A: Oxadiazines	Strong residual control of the toughest insects like alfalfa weevil and lepidoptera species.	Steward® EC	6.7 – 11.3 oz/A	Lygus spp., Armyworms, Bollworm, Loopers
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 pts/A	Aphids, Thrips
LIVID® 90 PRILL	Acephate: 90%	1B: Organophosphates	Acephate-based insecticide for control of piercing and sucking insect pests on selected agricultural crops and in certain non-crop areas.	Acephate 90 Prill	¾ – 2 ¼ pts/A	Lygus spp., Bollworm,
					3.2 oz/A	Thrips
					0.8 lb/A	Cutworm, Stink Bugs
					0.25 – 1.0 lb/A	Lygus spp.
					0.6 – 1.1 lb/A	Aphids
					1.1 lb/A	Armyworms
LIVID® 97 PRILL	Acephate: 97%	1B: Organophosphates	Acephate based insecticide for control of piercing and sucking insect pests on selected agricultural crops and in certain non-crop areas.	Orthene 97	0.5 – 1.1 lb/A	Bollworm
					0.16 – 0.19 lb/A	Thrips
					0.75 lb/A	Cutworm, Stink Bugs
					0.25 – 1 lb/A	Lygus spp.
					0.5 – 1 lb/A	Aphids
					1 lb/A	Armyworms
NIRVANA® RTU INSECTICIDE*	Bifenthrin: 1.5 lb/gal	3A: Pyrethroid	A pre-formulated, ready-to-use mixture of Nirvana and bifenthrin. This convenient formulation allows users to pour directly into liquid fertilizer solutions and get a uniform mixture of insecticide and fertilizer.	Capture® LFR	1.7 – 8.5 oz/A	Aphids, Lygus spp., Armyworms, Bollworm, Cutworm, Stink Bug, Thrips
PRONEVA™ EC	Hexythiazox: 1 lb/gal	10A: Mite Growth Inhibitor	Highly effective, hexythiazox-based miticide. This EC (emulsifiable concentrate) formula controls two-spotted spider mite species through activity on eggs and immature stages.	Onager®	12 – 20 oz/A	Spider mites




PRODUCT	AI	MOA	DESCRIPTION	COMPARABLE PRODUCT	USE RATE	TARGET PEST
PROVOKE™	Imidacloprid: 4 lb/gal	4A: Neonicotinoid	Highly-active systemic insecticide containing imidacloprid for soil and foliar applications with the most broad crop label for control of piercing and sucking pests.	Nuprid 4F Max	1 – 2 oz/A	Aphids, Lygus, Stinkbug, Bollworm
RAVAGE®*	Lambda-cyhalothrin: 1 lb/gal	3A: Pyrethroid	A broad-spectrum pyrethroid that controls insect and mite pests in an abundance of crops.	Silencer	1.92 – 2.56 oz/A	Cutworm, Thrips
					2.56 – 3.84 oz/A	Lygus spp.
					3.20 – 5.12 oz/A	Stinkbug, Armyworms, Bollworm,
RAVAGE® II*	Lambda-cyhalothrin: 2.19 lb/gal	3A: Pyrethroid	Broad-spectrum control of over 30 piercing and sucking insect species, powered by lambda-cyhalothrin. Crop versatility allows for applicators to have ease of use across many different cropping systems.	Silencer	0.96 – 1.28 oz/A	Cutworm, Thrips
					1.28 – 1.92 oz/A	Lygus
					1.60 – 2.56 oz/A	Stinkbug, Armyworms, Bollworm,
REVEAL®*	Bifenthrin: 2 lb/gal	3A: Pyrethroid	Bifenthrin-based insecticide for control of piercing and sucking insects and mites on many crops including cotton.	Brigade® 2EC	1.3 – 6.4 oz/A	Aphids., Lygus spp., Stinkbug, Armyworms, Bollworm, Thrips
REVEAL® ENDURX*	Bifenthrin: 2 lb/gal	3A: Pyrethroid	Outstanding mix of bifenthrin insecticide for control of piercing and sucking insects and mites on many crops, plus our Endurx technology which delivers a higher dosage faster by creating more points of contact.	Unique to Innqvictis Crop Care	1.3 – 6.4 oz/A	Aphids., Lygus spp., Stinkbug, Bollworm, Thrips
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
SEVER™ 0.86 EC	Pyriproxyfen: 0.86 lb/gal	7C: Juvenile Hormone Mimic	Insect growth regulator offering long-lasting scale control. A perfect fit for IPM programs and is very selective and soft on beneficial insects.	Esteem® .86EC	8 – 10 oz/A	Whitefly
SEVER™ 35 WSB	Pyriproxyfen: 35%	7C: Juvenile Hormone Mimic	Insect growth regulator offering long-lasting scale control. A perfect fit for IPM programs and is very selective and soft on beneficial insects.	Seize® 35 WP	2.5 – 3 oz/A	Whitefly
VANISH® SC	Bifenazate: 4 lb/gal	20D: Mitochondrial complex. III electron transport inhibitors	Effective knockdown on a variety of mite species on numerous crops.	Banter® SC	16 – 24 oz/A	Spider Mites
VENTRILIX® 2L*	Diflubenzuron: 2 lb/gal	15: Chitin Biosynthesis Inhibitor	This potent insect growth regulator controls pests by disrupting the regular molting process of insect larvae. It is effective against Lepidoptera and Diptera species and a wide variety of listed insect pests, and performs well when used in IPM programs.	Dimilin® 2L	2 oz/A	Grasshopper
					2 – 8 oz/A	Armyworms
					2 – 8 oz/A	Boll Weevil
VERSO™ 70WP	Acetamiprid: 70%	4A: Neonicitinoid	Acetamiprid-based product controls sucking and chewing pests by way of ingestion. Comes in a preferred wettable powder formulation that is rapidly absorbed by plant tissue and provides protection to the entire leaf.	Assail® 70WP	0.6 – 1.1 oz/A	Aphids
					1.7 – 2.3 oz/A	Whitefly
					1.1 – 2.3 oz/A	Lygus spp.
					0.6 – 1.1 oz/A	Fleahopper
					1.1 – 1.7 oz/A	Thrips



PRODUCT	AI	MOA	DESCRIPTION	COMPARABLE PRODUCT	USE RATE	TARGET PEST
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®	4 – 10 oz /A	Armyworms, Loopers
VICTIMITE®*	Propargite: 6 lb/gal	12C: Mitochondrial ATP Synthase Inhibitor	Propargite-containing miticide that's soft on beneficial insects including bees. Great in an IPM program with no known resistance thanks to its unique site of action.	Comite®	18 – 36 oz/A	Spider mites
VYPERA™ C-LV*	Oxamyl: 3.77 lb/gal	1A: Carbamates	Oxamyl containing water-soluble liquid insecticide and nematicide for control of labeled above and below-ground pests in cotton.	Vydate® C-LV	4.25 – 17 oz/A	Fleahopper
					12.7 – 17 oz/A	Lygus
					8.5 – 17 oz/A	Thrips (suppression), Nematode (suppression)
FUNGICIDES (FOLIAR)						
INNLIVEN™ ELITE	Pyraclostrobin: 2.23 lb/gal Difenaconazole: 1.9 lb/gal	11: QoI (Strobilurin) 3: DMI (Triazole)	Dual mode of action fungicide with broad-spectrum disease control. Proprietary premix fungicide unique to Innvictis for use on cotton.	Unique to Innvictis Crop Care	5.6 – 7.7 oz/A	Anthrachnose, Boll Rot, Cercospora, Target Spot
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	8 – 11.6 oz/A	Anthrachnose, Boll Rot, Cercospora, Target Spot
TREVO®	Azoxystrobin: 2.08 lb/gal	11: QoI (Strobilurin)	Trevo is an azoxystrobin based broad spectrum fungicide for use on a wide range of crops.	Quadris®	6 – 9 oz/A	Anthrachnose, Boll Rot, Cercospora, Target Spot
PGRS						
MAVRX®	IBA: 0.85% Kinetin: 0.15% + VaRx	Plant Growth Regulators Amino Acids	An innovative and unique blend of plant growth regulators backed by Innvictis BioScience VaRx Technology, built to drive root and shoot growth and help mitigate stresses.	Unique to Innvictis Crop Care	2 oz/A	
VETO™	Mepiquat Chloride: 0.35 lb/gal	Plant Growth Regulator	Plant growth regulator which allows cotton growers to effectively manage their cotton.	MepStar	Refer to Label	
DEFOLIANT/HARVEST AIDS						
STREVIN™ 2EC	Carfentrazone-ethyl: 2 lb/gal	14: PPO Inhibitor	Versatile tool for preplant burndown, post emergence weed control and preharvest defoliation in a broad spectrum of crops	Aim® EC	1.6 oz/A	
QUIVER®	Tribuphos: 6 lb/gal	Defoliant	Quick-drying and rapid uptake cotton defoliant necessary for efficient cotton harvest.	Folex® 6 EC	Refer to Label	
VACATE®	Thidiazuron: 4 lb/gal	Defoliant	Plant growth regulator for cotton which speeds up harvest and reduces trash in lint.	FreeFall® SC	Refer to Label	
VELOUR®	Ethephon: 6 lb/gal	Defoliant	A proven boll opener, Velour will help increase harvestable yield and promote earliness.	Super Boll®	Refer to Label	



PRODUCT	FUNCTIONS	DESCRIPTION	USE RATE
ADJUVANTS			
 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
 COVERT™	Nonionic Surfactant, Deposition Aid, Drift Reduction Agent, Spreader, Water Conditioner, Humectant	Covert is a non-ionic surfactant that combines deposition and drift control with water conditioning. This combination limits off-target movement, allows for maximum leaf surface coverage, and protects herbicide tie-up from hard water ions.	0.5% 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
TRAVERSE™ D	Water Conditioning Agent, Nonionic Surfactant, Deposition Aid, Drift Control Agent	Traverse D is an ammonium-free water conditioning and buffering agent. Traverse D is ideal in scenarios where the use of dicamba applications are needed and will be tank mixed with glyphosate.	0.25 – 1% 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, drift control, and deposition. Venturi maximizes the activity and effectiveness of soil pesticides.	1% v/v
VOLACEPT™	Volatility Reducing Agent	Volacept, a VaporGrip Xtra Agent, buffers against significant changes in solution pH and prevents the formation of dicamba acid by scavenging extraneous protons. Volacept is a tank mix adjuvant that delivers additional volatility reduction technology to further reduce the potential off target movement of dicamba.	20 – 32 fl oz/A
VOLACEPT™ D+V	Drift & Volatility Reducer, Water Conditioner and Wetter	A four-in-one combination product containing a nonionic surfactant, drift control, ammonium-free water conditioner, and volatility reduction agent.	1 gal/100 gals