

ORDER INPUTS ONLINE | GET PRICING UP FRONT | SCHEDULE YOUR DELIVERY

# FBN puts you in control.

FBN is a one-stop online store for the inputs you need with the prices you want—listed right up front. Shop, click, save and get direct-to-farm delivery on your schedule.

FBN is putting control back into the hands of farmers—where it should be.





# **CROP PROTECTION GUIDE**

Herbicides | Insecticides | Fungicides | Adjuvants | Crop Nutrition



# **OUR MISSION:**

# POWERING THE PROSPERITY OF FAMILY FARMERS AROUND THE WORLD



To be a farmer is to live in a highly unpredictable world, where even unrelenting hard work doesn't guarantee success. Which is why FBN® is on a mission to provide our farmer members more control every day, in every decision that affects their livelihood.

Since 2014, FBN has been building an online platform that helps put family farmers in the driver's seat. Through better use of data and technology, we are redefining value and convenience to help farmers make confident decisions that reduce costs and maximize revenue potential.

To learn more about our crop protection products, or to talk to an *FBN* representative, call **844-200-FARM** or visit **FBN.com** today.

#### **OUALITY CROP PROTECTION AT A GREAT PRICE**

FBN offers a wide range of quality herbicide, insecticide, fungicide, adjuvant and nutrition solutions that help farmers effectively protect and nourish their crops. We carry generic alternatives to many of the latest crop protection brands, plus a line of adjuvant and crop nutrition solutions uniquely selected to address the growing demands of crop production.

Our full line of crop protection and nutrition solutions is available to view online at **FBN.com** where farmers can access transparent list prices, flexible payment options and direct-to-farm delivery on qualified orders.











**CROP NUTRITION** 

#### **FBN PRODUCT LINES**



The Farmers First™ brand of adjuvants and crop nutrition products offer farmers a broad portfolio of great value, quality products that will be a farmer's first choice to power the performance of their crop protection and nutrition program. Look out for more product categories coming under the Farmers First brand in the future.



The Willowood USA line of crop protection products includes a wide range of generic alternatives to many crop protection brands, including non-selective and selective herbicides, insecticides and fungicide products.





# FBN CROP PROTECTION GENERIC ALTERNATIVES

BRAND NAME	COMMON ACTIVE INGREDIENT	FBN PRODUCT Visit FBN.com for product availabili
2,4-D LV6	2,4-D, 2-ethylhexyl ester (5.50)	2,4-D LV6 Value Pick
AAtrex® 4L	Atrazine (4.00)	Atrazine 4L Value Pick
Abolish 8 EC	Thiobencarb (8.00)	Willowood Thioben 8EC
Affinity® BroadSpec	Thifensulfuron (25.00%) + Tribenuron-methyl (25.00%)	Thifensulfuron 25% + Tribenuron-methyl 25% Value Pic
Affinity® Tank Mix	Thifensulfuron (40.00%) + Tribenuron-methyl (10.00%)	Thifensulfuron 40% + Tribenuron-methyl 10% Value Pic
Aim® EC	Carfentrazone-ethyl (2.00)	Carfentrazone Value Pick
Anthem® Maxx	Fluthiacet-methyl (0.13) + Pyroxasulfone (4.17)	Anthem® Maxx
Armezon®	Topramezone (2.80)	Impact
Armezon® Pro	Dimethenamid-P (5.25) + Topramezone (0.10)	<u>Armezon® PRO</u>
Assure® II	Quizalofop-p-ethyl (0.88)	Quizalofop-p-ethyl 0.88 Value Pick
Authority® Assist	Imazethapyr (0.67) + Sulfentrazone (3.33)	<u>Imazethapyr .67 + Sulfentrazone 3.33 Value Pick</u>
Authority® First DF	Cloransulam-methyl (7.90%) + Sulfentrazone (62.10%)	Willowood Sulfen Cloran
Authority® MTZ	Metribuzin (27.00%) + Sulfentrazone (18.00%)	Willowood Sulfen Met DF
Authority® XL	Chlorimuron (7.78%) + Sulfentrazone (62.22%)	Willowood Sulfen Chlorim
Balance® Flexx	Isoxaflutole (2.00)	Balance® Flexx
Banvel®	Dicamba DMA (4.00)	Dicamba DMA 4 Value Pick
Basagran <sup>®</sup>	Bentazon (4.00)	Bentazon 4.00 Value Pick
Callisto®	Mesotrione (4.00)	Willowood Mesotrione 4SC
Clarity <sup>®</sup>	Dicamba DGA (4.00)	Dicamba DGA Value Pick
Cobra®	Lactofen (2.00)	Lactofen 2.00 Value Pick
Command® 3ME	Clomazone (3.00)	Willowood Clomazone 3ME
Cerano® 5 MEG	Clomazone (5.00%)	Willowood Clomazone 5G
Deadbolt®	Bromoxynil octanoate (2.00) + MCPA, 2-ethylhexyl ester (2.00)	Maestro D
Defy® Amine 4	2,4-D, dimethylamine salt (3.80)	2,4-D Amine 3.80 Value Pick
Direx® 4L	Diuron (4.00)	Diuron 4.00 Value Pick
Dual II Magnum®	S-metolachlor (7.64)	S-metolachlor 7.64 Value Pick
Engenia®	Dicamba (5.00)	<u>Engenia®</u>
Enlist One®	2,4-D, choline salt (3.80)	Enlist One®
Facet® L	Quinclorac (4.02)	Quinclorac 4.02 Value Pick
FirstRate®	Cloransulam-methyl (84.00%)	Willowood Cloran DF
Flexstar®	Fomesafen (1.88)	Fomesafen 1.88 Value Pick
Goal®	Oxyfluorfen (2.00)	Willowood OxyFlo 2EC
GoldSky®	Florasulam (0.02) + Fluroxypyr 1-methylheptyl ester (0.71) + Pyroxsulam (0.11)	GoldSky®
Gramoxone® SL 3.0	Paraquat Dichloride (3.00)	Willowood Paraquat 3SL
GrazonNext® HL	2,4-D, dimethylamine salt (3.33) + Aminopyralid, triisopropanolammonium salt (0.41)	Gunslinger AMP
Harness®/Breakfree® NXT	Acetochlor EC (7.00)	Acetochlor EC 7.00 Value Pick
Harness® Xtra	Acetochlor (4.30) + Atrazine (1.70)	Acetochlor 4.30 + Atrazine 1.70 Value Pick
Harness® Xtra 5.6L	Acetochlor (3.10) + Atrazine (2.50)	Acetochlor 3.10 + Atrazine 2.50
Huskie® Complete	Bromoxynil (1.46) + Pyrasulfotole (0.26) + Thiencarbazone-methyl (0.04)	<u>Huskie® Complete</u>
Liberty®	Glufosinate-ammonium (2.34)	Willowood Glufosinate 280SL
Maestro® 2EC	Bromoxynil octanoate (2.00)	Brox 2EC
Mepex®	Mepiquat Chloride (0.35)	Mepiquat Chloride (0.35) Value Pick
Nortron® SC	Ethofumesate (4.00)	Willowood Ethofemusate 4SC
Outlook®	Dimethenamid-P (6.00)	<u>Outlook®</u>
Prowl® H20	Pendimethalin (3.80)	Pendimethalin 3.80 Value Pick
Pursuit®	Imazethapyr (2.00)	Willowood Imazethapyr 2SL

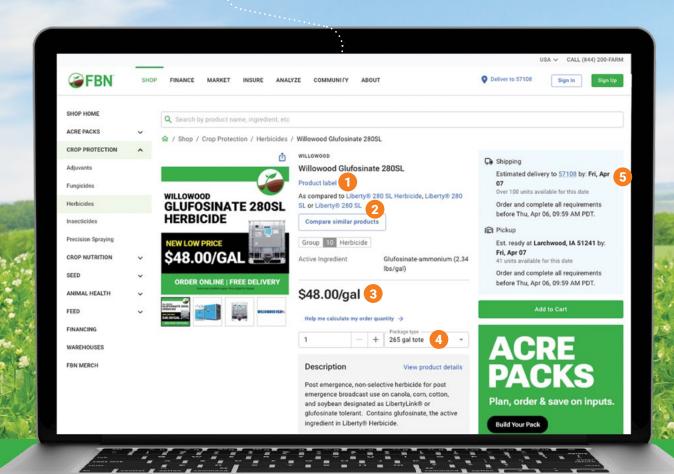


BRAND NAME	COMMON ACTIVE INGREDIENT	FBN PRODUCT Visit FBN.com for product ava
Raptor	Imazamox (1.00)	Imazamox 1.00 Value Pick
Resicore®	Acetochlor (2.80) + Clopyralid (0.19) + Mesotrione (0.30)	Aceto 2.80 + Meso .30 + Clopy .19 Value Pick
RiceBeaux®	Propanil (3.00) + Thiobencarb (3.00)	Willowood Thionil EC
RiceShot®	Propanil (4.00)	Willowood Propanil EC
Roundup PowerMax®	Glyphosate-isopropylammonium (4.00)	AgSaver™ Glyphosate 53.8%
Sandea®	Halosulfuron-methyl (75.00%)	Halosulfuron-methyl (75.00%) Value Pick
Select® 2 EC	Clethodim (2.00)	Clethodim 2lb Value Pick
Sencor®	Metribuzin (75.00%)	Metribuzin 75% Value Pick
Sharpen®	Saflufenacil (2.85)	<u>Sharpen®</u>
Spartan® 4F	Sulfentrazone (4.00)	Willowood Sulfen 4SC
Stalwart® 3W	Atrazine (1.66) + Mesotrione (0.22) + Metolachlor (1.70)	Meto 1.7 + Meso .22 + Atrazine 1.66 Value Pick
Stalwart® C Herbicide	Metolachlor (7.80)	GCS Metola Plus 8EC
Stam 80 EDF	Propanil (81.00%)	Willowood Propanil 80CHS
StareDown®	Fluroxypyr 1-methylheptyl ester (1.60)	Fluroxypyr 1.60 Value Pick
Status®	Dicamba, sodium salt (44.00%) + Diflufenzopyr-sodium (17.10%)	Status®
Stinger®	Clopyralid, monoethanolamine salt (3.00)	Clopyralid 3.00 Value Pick
SuperWHAM®	Propanil (4.00)	Willowood Propanil 4SC
SureStart® II	Acetochlor (3.75) + Clopyralid, Monoethanolamine salt (0.29) + Flumetsulam (0.12)	Aceto 3.75 + Clopyralid + Flumet .12 Value Pick
Triumph® 22K	Picloram, potassium salt (2.00)	Picloram, potassium salt (2.00) Value Pick
Valor® SX	Flumioxazin (51.00%)	Flumioxazin 51% WDG Value Pick
Verdict®	Dimethenamid-P (5.00) + Saflufenacil (0.57)	<u>Verdict®</u>
Warrant®	Acetochlor CS (3.00)	Acetochlor CS Value Pick
Weedmaster®	2,4-D, dimethylamine salt (2.87) + Dicamba DMA (1.00)	2,4-D Amine 2.87 + Dicamba DMA 1.00 Value Pick
Widematch®	Clopyralid, monoethanolamine salt (0.75) + Fluroxypyr 1-methylheptyl ester (0.75)	Clopyralid .75 + Fluroxypyr .75 Value Pick
Zidua® Pro	Imazethapyr (1.33) + Pyroxasulfone (2.28) + Saflufenacil (0.48)	Zidua <sup>®</sup> Pro
Zidua® SC	Pyroxasulfone (4.17)	Zidua <sup>®</sup> SC
AFrame	Azoxystrobin (2.08)	GCS Azoxy 2SC
Bravo Weather Stik®	Chlorothalonil (6.00)	Chlorothalonil 6.0lb Value Pick
Onset®	Tebuconazole (3.60)	Willowood Teb 3.6SC
Quilt Xcel®	Azoxystrobin (1.18) + Propiconazole (1.02)	GCS AzoxyProp
TebuStar® 45WSP	Tebuconazole (45.00%)	Willowood Teb 45DF
Γilt®	Propiconazole (3.60)	Willowood Propicon 3.6EC
Topsin® 4.5FL	Thiophanate-methyl (4.50)	Thiophanate-methyl 4.50 Value Pick
Trivapro®	Azoxystrobin (0.92) + Benzovindiflupyr (0.25) + Propiconazole (1.04)	<u>Trivapro®</u>
Admire® Pro	Imidacloprid (4.00)	Imidacloprid 4.00 Value Pick
AgriMek® SC	Abamectin (0.70)	Willowood Abamectin 0.7SC
Brigade® 2EC	Bifenthrin (2.00)	GCS Bifenthrin 2EC
Capture® LFR	Bifenthrin (1.50)	Bifenthrin LFR 1.5 Value Pick
ntrepid® 2F	Methoxyfenozide (2.00)	GCS Methoxy 2F
Onager®	Hexythiazox (1.00)	Hexythiazox (1.00) Value Pick
Orthene® 97	Acephate (97.00%)	Acephate 97.00% Value Pick
Pedestal®	Novaluron (0.83)	<u>Diamond</u>
Prevathon®	Chlorantraniliprole (0.43)	<u>Prevathon</u>
	Lambda-cyhalothrin (1.00)	Willowood Lambda-Cy 1EC

# **ORDER CONFIDENTLY**

Get an easy ordering experience at **FBN.com**. Our online store makes it fast and simple to navigate, find and compare products, and view transparent list pricing. Shop by category, browse featured products and get labeled product suggestions based on the products you add to your cart.

- 1 PRODUCT LABEL
- **2** COMPARISON PRODUCTS
- 3 TRANSPARENT LIST PRICE
- 4 PACK SIZES
- 5 DELIVERY INFORMATION



# **GET MORE:**NEW CUSTOMER FINANCING OPPORTUNITIES

Customers who purchase from FBN Direct® for the first time later in the season still have a unique opportunity to access 0% interest financing on inputs upon approved credit, either through a FBN® Finance Input Line or Operating Line of Credit.

### 0% FIRST 30 DAYS

No minimum input spend required for standard new customer financing program.

Finance qualifying FBN Direct® input purchases at 0% for your first purchase and any purchases made within 30 days. This 0% offer on items purchased during the 30 day window will remain as long as payment is made on respective financing due dates.

Payments are not due until until **January 1, 2024** for Input Financing Lines or **March 1, 2024** for Operating Lines.

If minimum spend is not reached to qualify for 0% interest all season long, then the standard interest rate will apply for any purchases made 31 days or later.

#### 0% ALL SEASON LONG

Qualify for 0% interest on *FBN* inputs through **August 31, 2023** by doing one of the following within 30 days of the first purchase in the program period:

Purchase a minimum \$20,000 on crop protection, seed, animal health or livestock purchases.

Purchase a minimum **\$5,000** on animal health or livestock feed purchases alone (including shipping and handling for purposes of eligibility).

Payments are not due until **January 1, 2024** for Input Financing Lines or **March 1, 2024** for Operating Lines.





# DISCOVER DIRECT-TO-FARM DELIVERY ON YOUR TERMS



Get estimated delivery dates before you buy with our Delivery Transparency feature. You choose delivery options suited to your schedule and stay informed by receiving delivery alerts and information about upcoming deliveries.

## **WE'RE CLOSER THAN YOU THINK**

When you choose *FBN*, you work closely with our network of Community Builders — independent sales representatives who sell products and services designed to give family farmers personal service. Combined with a hyper-efficient logistics network that spans over 84% of growing acreage in the United States within a 250-mile radius, *FBN* gives U.S. farmers the competitive advantages they need to succeed.



#### FBN® Fleet Vehicles | 45 FBN® Logistic Centers | 23

# U.S. LOGISTICS NETWORK

FRESNO, CA

**BRIGHTON, CO** 

LARCHWOOD, IA

**NEVADA, IA** 

**NEWTON, IA** 

CHAMPAIGN, IL

PERU, IN

WHITESTOWN, IN

HAYS, KS

SHAKOPEE, MN

**JOPLIN, MO** 

**JACKSON, MS** 

**OLIVE BRANCH, MS** 

**GREAT FALLS, MT** 

**GRAND FORKS, ND** 

MINOT, ND

**WEST FARGO, ND** 

FREMONT, NE

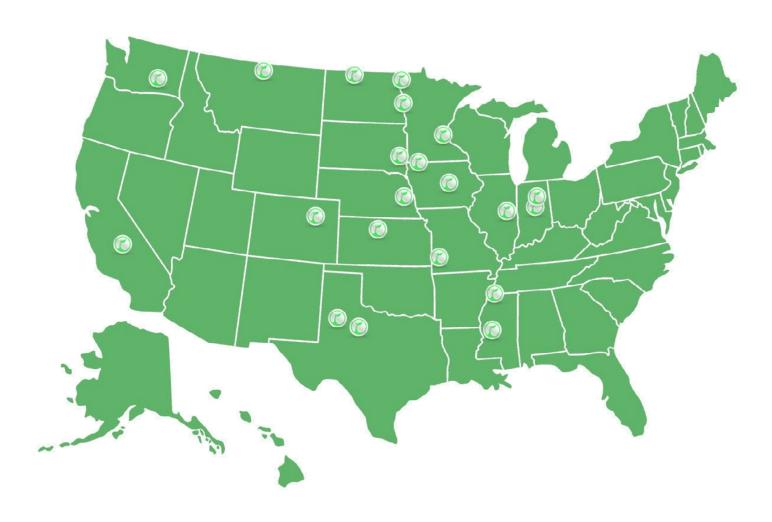
LINCOLN, NE

SIOUX FALLS, SD

**LUBBOCK, TX** 

HEREFORD, TX

PASCO, WA







FBN Acre Packs give farmers greater control of their crop input plan through a simple online tool that helps them plan, order and save instantly, with no waiting around for a rebate. FBN Acre Packs are available for corn, soybeans, wheat, cotton and rice, with more coming soon.

**PLAN:** Think shopping online means giving up support? *FBN* Acre Packs help you select the seed, crop protection and nutrition products labeled for your crop, with built-in flexibility to pick the crop pack that's right for you. Build your pack online, or call us for help. Either way, it's your plan to control. Plus, schedule individual delivery dates for each product at checkout.

**ORDER:** Tired of doing complicated math? *FBN* Acre Packs do the math for you. Just input your acres and select your rate from the labeled range. The Acre Pack will automatically calculate how much you need to buy AND display your cost per unit and per acre for any configuration you try.

**SAVE**: Burned out with rebate bundles? *FBN* Acre Packs unlock upfront discounts the more you buy. Pick your Pack and lock in additional savings opportunities instantly.



Visit **FBN.com/AcrePack** today to plan, order and save.







#### AgSaver™ Glyphosate 53.8%

Post emergence, non-selective herbicide offering broad spectrum control of many annual weeds in many agricultural systems and glyphosate-resistant crops. Formulated as a water-soluble liquid. Contains glyphosate, the active ingredient found in Roundup® Herbicides.



#### Willowood Glufosinate 280SL

Post emergence, non-selective herbicide for post emergence broadcast use on canola, corn, cotton and soybean designated as LibertyLink® or glufosinate tolerant. Contains glufosinate, the active ingredient in Liberty® Herbicide.



#### Willowood Glypho 6

Post emergence, non-selective herbicide for weed control in many agricultural systems and in glyphosate-resistant crops. Contains glyphosate, potassium salt, the active ingredient found in Roundup PowerMAX® II Herbicide.



#### **Atrazine 4L Value Pick**

Preemergence and post emergence herbicide that controls many annual broadleaf weeds and grasses in corn, sorghum, sugarcane and other labeled crops. Contains atrazine, the active ingredient found in Aatrex® 4L Herbicide.



#### Acetochlor CS 3 Value Pick

Pre- and post emergence encapsulated herbicide for weed control in field corn, production seed corn, cotton, peanuts, forage or grain sorghum (Milo), soybeans and sugar beets. Contains acetochlor, the active ingredient in Warrant® Herbicide.



#### **GCS Metola Plus 8EC**

Pre- and post emergence herbicide for control of broadleaf weeds and annual grasses in herbicide for use in corn, cotton, peanuts, soybeans and other labeled crops. Contains metolachlor, the active ingredient in Stalwart® C Herbicide.



#### Acetochlor (3.10) + Atrazine (2.50) Value Pick

Preemergence herbicide for control of annual grasses and broadleaf weeds in corn. Contains acetochlor and atrazine, active ingredients in Harness® Xtra.



#### Aceto (3.75) + Clopyralid + Flumet (0.12) Value Pick

Preemergence and early post emergence herbicide for use on herbicide tolerant and conventional field corn and silage corn. Contains acetochlor, flumetsulam and clopyralid, the active ingredients in SureStart® II Herbicide.



#### **Willowood Mesotrione 4SC**

Pre- and post emergence herbicide for control of annual broadleaf weeds in corn and other labeled crops. Contains mesotrione, the active ingredient in Callisto® Herbicide.



#### Meto 1.7 + Meso 0.22 + Atrzn 1.66 Value Pick

Pre- and post emergence herbicide for control of broadleaf weeds and grasses in corn and grain sorghum. Contains metolachlor, mesotrione and atrazine, the active ingredients in Stalwart® 3W Herbicide.



#### Status<sup>®</sup>

Post emergence broad spectrum corn herbicide, in a safened formulation, specifically designed for use alone or with glyphosate combinations.



#### Dicamba DGA 4 Value Pick

Pre- and post emergence herbicide for weed control in corn, soybeans, cotton, fallow, general farmstead (non-cropland), sorghum, grass grown for seed, hay, pasture, rangeland, small grains and other labeled crops. Contains dicamba DGA, the active ingredient in Clarity® Herbicide.



#### Impact®

Post emergence systemic herbicide for control of emerged weeds in all types of field corn, seed corn, popcorn, and sweet corn, and weed control between crops.



#### 2,4-D LV6 Value Pick

Pre- and post emergence herbicide for control of many broadleaf weeds and brush control in corn, small grains, soybeans (preplant) and other labeled crops. Contains 2,4-D and 2-ethylhexyl ester, the active ingredients found in 2,4-D LV 6 Herbicide.



#### Willowood Paraquat 3SL

Defoliant and desiccant herbicide for the control of weeds and grasses and as a harvest aid. Contains paraquat, the active ingredient in Gramaxone® SL Herbicide



#### Sharpen® powered by Kixor® Herbicide

Contact burndown and rate-dependent residual preemergence broadleaf weed control in select field and row crops such as corn, cotton, forage grasses, rice, small grains, sorghum, soybean, fallow and postharvest croplands, pasture and other labeled crops.



#### Dicamba DMA 4 Value Pick

Pre- and post emergence herbicide for weed control in corn, cotton, sorghum, soybean, small grains, pasture, hay, rangeland, farmstead (non-cropland), fallow and other labeled crops. Contains dicamba DMA, the active ingredient in Banvel® Herbicide

#### **FUNGICIDES**



#### GCS AzoxyProp

Broad spectrum fungicide for management of many plant diseases in labeled row and specialty crops. Contains azoxystrobin and propiconazole, the active ingredients in Quilt® Xcel Fungicide.



#### **GCS Azoxy 2 SC**

Broad spectrum systemic fungicide for management of many plant diseases in labeled row and specialty crops. Contains azoxystrobin, the active ingredient in Aframe™ Fungicide



#### **Willowood Propicon 3.6EC**

Broad spectrum fungicide formulated for the management of many plant diseases in labeled row and specialty crops. Contains propiconazole, the active ingredient in Tilt® Fungicide.

#### **INSECTICIDES**



#### Willowood Lambda-Cy 1EC

Broad spectrum insecticide for use in many labeled row and specialty crops. Can be applied via ground or air. Restricted Use Pesticide. Contains lambda-cyhalothrin, the active ingredient in Silencer® Insecticide.



#### **GCS Bifenthrin 2EC**

Broad spectrum insecticide for control of insects and mites in many row and specialty crops, such as canola, corn, cotton, dried beans and peas, fruiting vegetables, grapes, head lettuce, peanuts, soybeans and other labeled crops. Contains bifenthrin, the active ingredient in Bifen 2EC Select\* Insecticide.



#### **Bifenthrin LFR 1.5 Value Pick**

Soil insecticide for control of labeled soil insect pests. Formulated so that it can be mixed directly with water. Contains bifenthrin, the active ingredient in Capture® LFR® Insecticide.

#### **ADJUVANTS**



#### FieldGrip™ DRA

FieldGrip™ DRA is a high-concentrate emulsifiable deposition aid and drift management adjuvant.



#### Even™ 34L

Even 34L is a liquid ammonium sulfate (AMS) water conditioner designed to reduce the antagonism of spray water impurities that can interfere with the performance of glyphosate, glufosinate and other herbicides.



#### **Even™ L Pro**

Even L Pro is an optimized premix of drift management agents, deposition aids, AMS and surfactant. It is designed to enhance the performance and activity of pesticide sprays by reducing tie-up of herbicides in hard water, improving spray application coverage and minimizing spray drift.



#### IN-Zorb™ ADV

IN-Zorb ADV is an APE-free nonionic surfactant designed to improve the effectiveness of crop protection products by reducing surface tension of spray droplets for uniform spreading and coverage of leaf surfaces.



#### **IN-Cert™ MSO**

IN-Cert MSO is a methylated vegetable oil and surfactant blend formulated to enhance pesticide performance through improved leaf cuticle penetration and uniform droplet coverage of target surfaces.



#### IN-Cert™ Organosil MSO

IN-Cert Organosil MSO is a multifunction adjuvant that rapidly penetrates leaf surfaces and provides superior surface coverage compared to ordinary silicone blends, MSO or crop oil.



#### IN-Plant™

IN-Plant is a crop oil concentrate adjuvant containing paraffinic oil, emulsifiers and surfactants



#### **Tether™ DC**

Tether DC is a multifunction adjuvant designed to protect the performance of dicamba-based herbicides from hard water tie-up and to reduce the risk of drift.



#### Tether<sup>™</sup> 24

Tether 24 is a multifunction adjuvant that reduces drift risk and protects 2,4-D, glyphosate and other herbicides from hard water tie-up.



#### **PICK YOUR PACK**

To learn more about our Acre Packs, or to talk to an FBN representative, call **844-200-FARM** or visit **FBN.com/AcrePack** 









#### AgSaver™ Glyphosate 53.8%

**HERBICIDES** 

Post emergence, non-selective herbicide offering broad spectrum control of many annual weeds in many agricultural systems and glyphosateresistant crops. Formulated as a water-soluble liquid. Contains glyphosate, the active ingredient found in Roundup® Herbicides.



#### Willowood Glypho 6

Post emergence, non-selective herbicide for weed control in many agricultural systems and in glyphosate-resistant crops. Contains glyphosate, potassium salt, the active ingredient found in Roundup PowerMAX® II Herbicide.



#### Willowood Glufosinate 280SL

Post emergence, non-selective herbicide for post emergence broadcast use on canola, corn, cotton, and soybean designated as LibertyLink® or glufosinate tolerant. Contains glufosinate, the active ingredient in Liberty® Herbicide.



#### Willowood Fomesafen 1.88SL

Pre-plant, preemergence or post emergence selective herbicide for control of weeds in soybeans, cotton, dry beans, potatoes and snap beans. Contains fomesafen, the active ingredient in Flexstar® Herbicide.



#### Pendimethalin 3.80 Value Pick

Selective herbicide for control of certain broadleaf weeds and annual grasses. Contains pendimethalin, the active ingredient pendimethalin, the active ingredient in Prowl® Herbicide.



#### Quizalofop-p-ethyl 0.88 Value Pick

Selective herbicide for the control of annual and perennial grasses in many labeled crops. Contains quizalofop-p-ethyl, the active ingredient in Sec-Cure EC Herbicide.



#### Willowood Clethodim 2EC

Post emergence herbicide for control of grasses in many labeled row and specialty crops. Contains clethodim, the active ingredient in Select® 2EC Herbicide.



#### Trifluralin 4.00 Value Pick

Preemergence selective herbicide for the control of broadleaf weeds and annual grasses in many labeled crops. Contains trifuralin, the active ingredient in Drexel® Trifluralin 4EC Herbicide.



#### Engenia<sup>®</sup> Herbicide (2020)

Preemergence selective herbicide for weed control in Dicamba-tolerant (DT) cotton and Dicamba-tolerant (DT) soybeans.



#### Flumioxazin 51% WDG Value Pick

Preemergence herbicide for broad spectrum control of susceptible broadleaf weeds in many labeled row and specialty crops. Contains flumioxazin, the active ingredient in Valor® SX and Chateau® WDG Herbicides.



#### Acetochlor CS 3 Value Pick

Pre- and post emergence encapsulated herbicide for weed control in field corn, production seed corn, cotton, peanuts, forage or grain sorghum (Milo), soybeans and sugar beets. Contains acetochlor, the active ingredient in Warrant® Herbicide.



#### S-metolachlor 7.64 Value Pick

Pre-plant, preemergence or post emergence herbicide for control of small-seeded broadleaf weeds and grasses in labeled crops, such as corn, cotton and soybeans. Contains s-metolachlor, the active ingredient in Dual Magnum® Herbicide.



#### Enlist One®

Pre-plant, preemergence and post emergence herbicide for control of emerged annual and perennial broadleaf weeds in Enlist® corn, soybeans and cotton. Enlist herbicides with Colex-D® technology are the ONLY 2,4-D containing products authorized and specifically labeled for use with Enlist crops.



#### 2,4-D LV6 Value Pick

Pre- and post emergence herbicide for control of many broadleaf weeds and brush control in corn, small grains, soybeans (preplant) and other labeled crops. Contains 2,4-D and 2-ethylhexyl ester, the active ingredients found in 2,4-D LV 6



#### Willowood Paraguat 3SL

Defoliant and desiccant herbicide for the control of weeds and grasses and as a harvest aid. Contains paraguat, the active ingredient in Gramaxone® SL Herhicide



#### Sharpen® powered by Kixor® herbicide

Contact burndown and rate-dependent residual preemergence broadleaf weed control in select field and row crops such as corn, cotton, forage grasses, rice, small grains, sorghum, soybean, fallow and postharvest croplands, pasture and other labeled crops.



#### **Dicamba DMA 4 Value Pick**

Pre- and post emergence herbicide for weed control in corn, cotton, sorghum, soybean, small grains, pasture, hay, rangeland, farmstead (non-cropland), fallow and other labeled crops. Contains dicamba DMA, the active ingredient in Banvel® Herbicide.





#### Ethephon 6 lb Value Pick

Plant growth regulator for agricultural use on cotton and tobacco. Contains ethephon, the active ingredient in Setup® 6SL PGR.



#### Mepiquat Chloride (0.35) Value Pick

Plant growth regulator for agricultural use in cotton. Contains mepiguat chloride, the active ingredient in Mepex® PGR.



#### Sodium Chlorate 5.00 Value Pick

Defoliant/desiccant for use in cotton. Contains sodium chlorate, the active ingredient in Drexel®



#### Thidiazuron 4 Value Pick

Cotton defoliant. Contains thidiazuron, the active ingredient in Klean®-Pik 500 SC.

#### **FUNGICIDES**



#### GCS AzoxyProp

Broad spectrum fungicide for management of many plant diseases in labeled row and specialty crops. Contains azoxystrobin and propiconazole, the active ingredients in Quilt® Xcel Fungicide.



#### **GCS Azoxy 2SC**

Broad spectrum systemic fungicide for management of many plant diseases in labeled row and specialty crops. Contains azoxystrobin, the active ingredient in Aframe™ Fungicide.





#### **Willowood Propicon 3.6EC**

Broad spectrum fungicide formulated for the management of many plant diseases in labeled row and specialty crops. Contains propiconazole, the active ingredient in Tilt® Fungicide.



#### Willowood Teb 3.6SC

Fungicide for the control of specified diseases in row and specialty crops such as barley, beans, corn, cotton, peanut, soybean, wheat and other labeled crops. Contains tebuconazole, the same active ingredient in Onset™ 3.6SL Fungicide.







#### Acephate 97.00% Value Pick

Water-soluble insecticide for use in many labeled agricultural crops. Contains acephate, the active ingredient in Acephate 97UP®.



#### Willowood Lambda-Cy 1EC

Broad spectrum insecticide for use in many labeled row and specialty crops. Can be applied via ground or air. Restricted Use Pesticide. Contains lambda-cyhalothrin, the active ingredient in Silencer® Insecticide.



#### **GCS Bifenthrin 2EC**

Broad spectrum insecticide for control of insects and mites in many row and specialty crops, such as canola, corn, cotton, dried beans and peas, fruiting vegetables, grapes, head lettuce, peanuts, soybeans and other labeled crops. Contains bifenthrin, the active ingredient in Bifen 2EC Select<sup>TM</sup> Insecticide.



#### Methoxyfenozide 2.00 Value Pick

Selective insecticide for the management of lepidoptera in many labeled crops. Contains methoxyfenozide, the active ingredient in Intrepid® 2F Insecticide.



#### **Willowood Abamectin 0.7SC**

Insecticide/miticide for control of mites, leafminers, thrips and other labeled insects. Contains abamectin, the active ingredient in Abamex™ Insecticide.



#### Willowood Imidacloprid 4SC

For uses in pest management, control of listed insects that may vector diseases and maintenance of plant health. Contains imidacloprid, the active ingredient in Admire® Pro Systemic Protectant.





#### FieldGrip™ DRA

FieldGrip DRA is a high-concentrate emulsifiable deposition aid and drift management adjuvant.



#### FieldGrip™ VRA

A VaporGrip® Xtra Agent may be used as an additional tool to reduce volatility potential when tank mixed with dicamba. Use of FieldGrip VRA does not replace an approved drift reduction adjuvant (DRA).



#### Even<sup>™</sup> 34L

Even 34L is a liquid ammonium sulfate (AMS) water conditioner designed to reduce the antagonism of spray water impurities that can interfere with the performance of glyphosate, glufosinate and other herbicides.



#### Even™ L Pro

Even L Pro is an optimized premix of drift management agents, deposition aids, AMS and surfactant. It is designed to enhance the performance and activity of pesticide sprays by reducing tie-up of herbicides in hard water, improving spray application coverage and minimizing spray drift.



#### Even<sup>™</sup> LR

Even LR is a reduced-rate AMS-replacement adjuvant designed to deliver similar water conditioning activity at lower rates than plain AMS. Even LR can enhance the performance of spray applications by improving spray tank water quality and minimizing hard water interference with herbicide activity.



#### **Even™ DR**

Even DR is a water soluble blend of reduced rate water conditioning and sequestering agents. It is intended for use with glyphosate and other herbicide spray applications that recommend the use of ammonium sulfate or nitrogen fertilizer as a spray additive. Even DR is a fully soluble spraygrade granule that readily goes into solution.



#### IN-Zorb™ ADV

IN-Zorb ADV is an APE-free nonionic surfactant designed to improve the effectiveness of crop protection products by reducing surface tension of spray droplets for uniform spreading and coverage of leaf surfaces.



#### **IN-Cert™ MSO**

IN-Cert MSO is a methylated vegetable oil and surfactant blend formulated to enhance pesticide performance through improved leaf cuticle penetration and uniform droplet coverage of target surfaces.



#### **IN-Cert™ HighSurf MSO**

IN-Cert HighSurf MSO is a specialized blend of modified seed oil and surfactant designed to enhance the performance of herbicides. It may be used at reduced rates compared to conventional MSO. IN-Cert HighSurf MSO may also be used with insecticides, fungicides and PGRs.



#### IN-Cert™ Organosil MSO

IN-Cert Organosil MSO is a multifunction adjuvant that rapidly penetrates leaf surfaces and provides superior surface coverage compared to ordinary silicone blends, MSO or crop oil.



#### IN-Plant

IN-Plant is a crop oil concentrate adjuvant containing paraffinic oil, emulsifiers and surfactants.



#### **IN-Plant™ ADV**

In-Plant ADV is a unique hybrid adjuvant that combines the functions of a nonionic surfactant, oil concentrate and penetrant in a single product. It may be used as a replacement for crop oil concentrates and high surfactant oil concentrates.



#### Tether<sup>™</sup> DC

Tether DC is a multifunction adjuvant designed to protect the performance of dicamba-based herbicides from hard water tie-up and to reduce the risk of drift.



#### Tether™ 24

Tether 24 is a multifunction adjuvant that reduces drift risk and protects 2,4-D, glyphosate and other herbicides from hard water tie-up.



#### **PICK YOUR PACK**

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FBN.com/AcrePack









#### AgSaver™ Glyphosate 53.8%

Post emergence, non-selective herbicide offering broad spectrum control of many annual weeds in many agricultural systems and glyphosate-resistant crops. Formulated as a water-soluble liquid. Contains glyphosate, the active ingredient found in Roundup® Herbicides.



#### **Willowood Clomazone 3ME**

Preemergence herbicide for control of annual grasses in dry-seeded rice. Contains Clomazone, the active ingredient in Command® 3ME Herbicide



#### Willowood Glypho 6

Post emergence, non-selective herbicide for weed control in many agricultural systems and in glyphosate-resistant crops. Contains glyphosate, potassium salt, the active ingredient found in Roundup PowerMAX® II Herbicide.



#### Willowood Propanil 4EC

Selective post emergence herbicide for control of weeds in rice only labeled Southern states. Contains propanil, the active ingredient in Riceshot® Herbicide.



#### Willowood Propanil 4SC

Selective post emergence herbicide for control of weeds in rice only labeled Southern states. Contains propanil, the active ingredient in Riceshot® Herbicide.



#### **Willowood Thioben 8EC**

Residual herbicide for control of labeled weeds in rice (excluding California). Contains thiobencarb, the active ingredient in Abolish® 8EC Herbicide.



#### Willowood Thio UltraMax

Residual herbicide for control of labeled weeds in California rice. Contains thiobencarb, the active ingredient in Bolero® UltraMax Herbicide.



#### **Willowood Thionil EC**

Post emergence herbicide for control of broadleaf weeds and grasses in rice. Contains propanil and thiobencarb, the active ingredients in Ricebeaux® Herbicide.



#### **Quinclorac 4.02 Value Pick**

Herbicide for control of weeds in dry-seeded and water-seeded rice. Contains quinclorac, the active ingredient in Facet® L Herbicide.



#### **Willowood Clethodim 2EC**

Post emergence herbicide for control of grasses in many labeled row and specialty crops. Contains clethodim, the active ingredient in Select® 2EC Herbicide.



#### Pendimethalin 3.80 Value Pick

Selective herbicide for control of certain broadleaf weeds and annual grasses. Contains pendimethalin, the active ingredient pendimethalin, the active ingredient in Prowl® Herbicide.



#### 2,4-D LV6 Value Pick

Pre- and post emergence herbicide for control of many broadleaf weeds and brush control in corn, small grains, soybeans (preplant) and other labeled crops. Contains 2,4-D and 2-ethylhexyl ester, the active ingredients found in 2,4-D LV 6 Herbicide.



#### **Willowood Paraquat 3SL**

Defoliant and desiccant herbicide for the control of weeds and grasses and as a harvest aid. Contains paraquat, the active ingredient in Gramaxone® SL Herbicide.



#### Sharpen® powered by Kixor® herbicide

Contact burndown and rate-dependent residual preemergence broadleaf weed control in select field and row crops such as corn, cotton, forage grasses, rice, small grains, sorghum, soybean, fallow and postharvest croplands, pasture and other labeled crops.



#### Dicamba DMA 4 Value Pick

Pre- and post emergence herbicide for weed control in corn, cotton, sorghum, soybean, small grains, pasture, hay, rangeland, farmstead (non-cropland), fallow and other labeled crops. Contains dicamba DMA, the active ingredient in Banyel® Herbicide

#### **FUNGICIDES**



#### GCS AzoxyProp

Broad spectrum fungicide for management of many plant diseases in labeled row and specialty crops. Contains azoxystrobin and propiconazole, the active ingredients in Quilt® Xcel Fungicide.



#### **GCS Azoxy 2SC**

Broad spectrum systemic fungicide for management of many plant diseases in labeled row and specialty crops. Contains azoxystrobin, the active ingredient in Aframe™ Fungicide.



#### Willowood Propicon 3.6EC

Broad spectrum fungicide formulated for the management of many plant diseases in labeled row and specialty crops. Contains propiconazole, the active ingredient in Tilt® Fungicide.

#### ADJUVANTS CONT'D



#### Willowood Lambda-Cy 1EC

**INSECTICIDES** 

Broad spectrum insecticide for use in many labeled row and specialty crops. Can be applied via ground or air. Restricted Use Pesticide. Contains lambda-cyhalothrin, the active ingredient in Silencer® Insecticide.



#### IN-Zorb™ ADV

IN-Zorb ADV is an APE-free nonionic surfactant designed to improve the effectiveness of crop protection products by reducing surface tension of spray droplets for uniform spreading and coverage of leaf surfaces.





#### **IN-Cert™ MSO**

IN-Cert MSO is a methylated vegetable oil and surfactant blend formulated to enhance pesticide performance through improved leaf cuticle penetration and uniform droplet coverage of target surfaces.



#### FieldGrip™ DRA

FieldGrip DRA is a high-concentrate emulsifiable deposition aid and drift management adjuvant.



#### **IN-Cert™ HighSurf MSO**

IN-Cert HighSurf MSO is a specialized blend of modified seed oil and surfactant designed to enhance the performance of herbicides. It may be used at reduced rates compared to conventional MSO. IN-Cert HighSurf MSO may also be used with insecticides, fungicides and PGRs.



#### Even<sup>™</sup> 34L

Even 34L is a liquid ammonium sulfate (AMS) water conditioner designed to reduce the antagonism of spray water impurities that can interfere with the performance of glyphosate, glufosinate and other herbicides.



#### IN-Cert™ Organosil MSO

IN-Cert Organosil MSO is a multifunction adjuvant that rapidly penetrates leaf surfaces and provides superior surface coverage compared to ordinary silicone blends, MSO or crop oil.



#### **Even™ LR**

Even LR is a reduced-rate AMS-replacement adjuvant designed to deliver similar water conditioning activity at lower rates than plain AMS. Even LR can enhance the performance of spray applications by improving spray tank water quality and minimizing hard water interference with herbicide activity.



#### IN-Plant™

IN-Plant is a crop oil concentrate adjuvant containing paraffinic oil, emulsifiers and surfactants.



#### **Even™ DR**

Even DR is a water soluble blend of reduced rate water conditioning and sequestering agents. It is intended for use with glyphosate and other herbicide spray applications that recommend the use of ammonium sulfate or nitrogen fertilizer as a spray additive. Even DR is a fully soluble spray-grade granule that readily goes into solution.



#### IN-Plant™ ADV

In-Plant ADV is a unique hybrid adjuvant that combines the functions of a nonionic surfactant, oil concentrate and penetrant in a single product. It may be used as a replacement for crop oil concentrates and high surfactant oil concentrates.



#### **Even™ L Pro**

Even L Pro is an optimized premix of drift management agents, deposition aids, AMS and surfactant. It is designed to enhance the performance and activity of pesticide sprays by reducing tie-up of herbicides in hard water, improving spray application coverage and minimizing spray drift.



#### **Tether™ DC**

Tether DC is a multifunction adjuvant designed to protect the performance of dicamba-based herbicides from hard water tie-up and to reduce the risk of drift.



#### Tether™ 24

Tether 24 is a multifunction adjuvant that reduces drift risk and protects 2,4-D, glyphosate and other herbicides from hard water tie-up.



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#### AgSaver™ Glyphosate 53.8%

Post emergence, non-selective herbicide offering broad spectrum control of many annual weeds in many agricultural systems and glyphosate-resistant crops. Formulated as a water-soluble liquid. Contains glyphosate, the active ingredient found in Roundup® Herbicides.



#### Willowood Glufosinate 280SL

Post emergence, non-selective herbicide for post emergence broadcast use on canola, corn, cotton and soybean designated as LibertyLink® or glufosinate tolerant. Contains glufosinate, the active ingredient in Liberty® Herbicide.



#### Willowood Glypho 6

Post emergence, non-selective herbicide for weed control in many agricultural systems and in glyphosate-resistant crops. Contains glyphosate, potassium salt, the active ingredient found in Roundup PowerMAX® II Herbicide.



#### **Willowood Sulfen 4SC**

Preemergence, soil-applied selective herbicide that controls specific grasses, sedges and broadleaf weeds with residual activity. Contains sulfentrazone, the active ingredient in Authority® Herbicide brands.



#### **Willowood Sulfen Cloran**

Sulfentrazone (62.10%)

Preemergence herbicide for broad spectrum control of weeds and grasses in soybeans only. Contains sulfentrazone and cloransulam-methyl, the active ingredients in Authority® First DF Herbicide.



#### Flumioxazin 51% WDG Value Pick

Preemergence herbicide for broad spectrum control of susceptible broadleaf weeds in many labeled row and specialty crops. Contains flumioxazin, the active ingredient in Valor® SX and Chateau® WDG Herbicides.



#### Enlist One®

Pre-plant, preemergence and post emergence herbicide for control of emerged annual and perennial broadleaf weeds in Enlist® corn, soybeans and cotton. Enlist herbicides with Colex-D® technology are the ONLY 2,4-D containing products authorized and specifically labeled for use with Enlist crops.



#### Engenia® Herbicide (2020)

Preemergence selective herbicide for weed control in Dicamba-tolerant (DT) cotton and Dicamba-tolerant (DT) soybeans.



#### Willowood Clethodim 2EC

Post emergence herbicide for control of grasses in many labeled row and specialty crops. Contains clethodim, the active ingredient in Select® 2EC Herbicide.



#### **GCS Metola Plus 8EC**

Pre- and post emergence herbicide for control of broadleaf weeds and annual grasses in herbicide for use in corn, cotton, peanuts, soybeans and other labeled crops. Contains metolachlor, the active ingredient in Stalwart® C Herbicide.



#### Metribuzin 75% Value Pick

Broad spectrum herbicide for control of certain grasses and broadleaf weeds as a stand-alone or tank-mix partner with other herbicides to add an additional mode of action. Contains metribuzin, the active ingredient found in Sencor® 4 Flowable Herbicide



#### S-metolachlor 7.64 Value Pick

Pre-plant, preemergence or post emergence herbicide for control of small-seeded broadleaf weeds and grasses in labeled crops, such as corn, cotton and soybeans. Contains s-metolachlor, the active ingredient in Dual Magnum® Herbicide.



#### Pendimethalin 3.80 Value Pick

Selective herbicide for control of certain broadleaf weeds and annual grasses. Contains pendimethalin, the active ingredient in Prowl® Herbicide.



#### **Willowood Sulfen Met**

Pre-plant and preemergence selective herbicide for control of broadleaf weeds, sedges and suppression of labeled grasses in soybeans and other labeled crops. Contains sulfentrazone and metribuzin, the active ingredients in Authority® MTZ Herbicide.



#### Willowood Fomesafen 1.88SL

Pre-plant, preemergence or post emergence selective herbicide for control of weeds in soybeans, cotton, dry beans, potatoes and snap beans. Contains fomesafen, the active ingredient in Flexstar® Herbicide.



#### 2,4-D LV6 Value Pick

Pre- and post emergence herbicide for control of many broadleaf weeds and brush control in corn, small grains, soybeans (preplant) and other labeled crops. Contains 2,4-D and 2-ethylhexyl ester, the active ingredients found in 2,4-D LV 6 Herbicide.



#### Willowood Paraguat 3SL

Defoliant and desiccant herbicide for the control of weeds and grasses and as a harvest aid. Contains paraquat, the active ingredient in Gramaxone® SL Herbicide



#### Sharpen® powered by Kixor® herbicide

Contact burndown and rate-dependent residual preemergence broadleaf weed control in select field and row crops such as corn, cotton, forage grasses, rice, small grains, sorghum, soybean, fallow and postharvest croplands, pasture and other labeled crops.



#### **Dicamba DMA 4 Value Pick**

Pre- and post emergence herbicide for weed control in corn, cotton, sorghum, soybean, small grains, pasture, hay, rangeland, farmstead (non-cropland), fallow and other labeled crops. Contains dicamba DMA, the active ingredient in Banvel® Herbicide.

#### **FUNGICIDES**



#### GCS AzoxyProp

Broad spectrum fungicide for management of many plant diseases in labeled row and specialty crops. Contains azoxystrobin and propiconazole, the active ingredients in Quilt® Xcel Fungicide.

FUNGICIDES CONT'D ADJUVANTS CONT'D



#### **GCS Azoxy 2SC**

Broad spectrum systemic fungicide for management of many plant diseases in labeled row and specialty crops. Contains azoxystrobin, the active ingredient in Aframe™ Fungicide.



#### **Willowood Propicon 3.6EC**

Broad spectrum fungicide formulated for the management of many plant diseases in labeled row and specialty crops. Contains propiconazole, the active ingredient in Tilt® Fungicide.



#### Willowood Teb 3.6SC

Fungicide for the control of specified diseases in row and specialty crops such as barley, beans, corn, cotton, peanut, soybean, wheat and other labeled crops. Contains tebuconazole, the same active ingredient in Onset™ 3.6SL Fungicide.



#### **Willowood Tebustrobin SC**

Broad spectrum suspension concentrate fungicide for control of diseases in many labeled crops. Contains tebuconazole and azoxystrobin, the active ingredients in Custodia® Fungicide.





#### Willowood Lambda-Cy 1EC

Broad spectrum insecticide for use in many labeled row and specialty crops. Can be applied via ground or air. Restricted Use Pesticide. Contains lambda-cyhalothrin, the active ingredient in Silencer® Insecticide.



#### **GCS Bifenthrin 2EC**

Broad spectrum insecticide for control of insects and mites in many row and specialty crops, such as canola, corn, cotton, dried beans and peas, fruiting vegetables, grapes, head lettuce, peanuts, soybeans and other labeled crops. Contains bifenthrin, the active ingredient in Bifen 2EC Select\*\* Insecticide.



#### Willowood Imidacloprid 4SC

For uses in pest management, control of listed insects that may vector diseases and maintenance of plant health. Contains imidacloprid, the active ingredient in Admire® Pro Systemic Protectant.

#### **ADJUVANTS**



#### FieldGrip™ DRA

FieldGrip DRA is a high-concentrate emulsifiable deposition aid and drift management adjuvant.



#### FieldGrip™ VRA

A VaporGrip® Xtra Agent may be used as an additional tool to reduce volatility potential when tank mixed with dicamba. Use of FieldGrip VRA does not replace an approved drift reduction adjuvant (DRA).



#### Even™ 34L

Even 34L is a liquid ammonium sulfate (AMS) water conditioner designed to reduce the antagonism of spray water impurities that can interfere with the performance of glyphosate, glufosinate and other herbicides.



#### Even™ L Pro

Even L Pro is an optimized premix of drift management agents, deposition aids, AMS and surfactant. It is designed to enhance the performance and activity of pesticide sprays by reducing tie-up of herbicides in hard water, improving spray application coverage and minimizing spray drift.



#### **Even™ LR**

Even LR is a reduced-rate AMS-replacement adjuvant designed to deliver similar water conditioning activity at lower rates than plain AMS. Even LR can enhance the performance of spray applications by improving spray tank water quality and minimizing hard water interference with herbicide activity.



#### **Even™ DR**

Even DR is a water soluble blend of reduced rate water conditioning and sequestering agents. It is intended for use with glyphosate and other herbicide spray applications that recommend the use of ammonium sulfate or nitrogen fertilizer as a spray additive. Even DR is a fully soluble spraygrade granule that readily goes into solution.



#### IN-Zorb™ ADV

IN-Zorb ADV is an APE-free nonionic surfactant designed to improve the effectiveness of crop protection products by reducing surface tension of spray droplets for uniform spreading and coverage of leaf surfaces.



#### IN-Cert™ MSO

IN-Cert MSO is a methylated vegetable oil and surfactant blend formulated to enhance pesticide performance through improved leaf cuticle penetration and uniform droplet coverage of target surfaces.



#### IN-Cert™ HighSurf MSO

IN-Cert HighSurf MSO is a specialized blend of modified seed oil and surfactant designed to enhance the performance of herbicides. It may be used at reduced rates compared to conventional MSO. IN-Cert HighSurf MSO may also be used with insecticides, fungicides and PGRs.



#### IN-Cert™ Organosil MSO

IN-Cert Organosil MSO is a multifunction adjuvant that rapidly penetrates leaf surfaces and provides superior surface coverage compared to ordinary silicone blends, MSO or crop oil.



#### IN-Plant™

IN-Plant is a crop oil concentrate adjuvant containing paraffinic oil, emulsifiers and surfactants.



#### **IN-Plant™ ADV**

In-Plant ADV is a unique hybrid adjuvant that combines the functions of a nonionic surfactant, oil concentrate and penetrant in a single product. It may be used as a replacement for crop oil concentrates and high surfactant oil concentrates.



#### **Tether™ DC**

Tether DC is a multifunction adjuvant designed to protect the performance of dicamba-based herbicides from hard water tie-up and to reduce the risk of drift.



#### Tether<sup>™</sup> 24

Tether 24 is a multifunction adjuvant that reduces drift risk and protects 2,4-D, glyphosate and other herbicides from hard water tie-up.



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#### **HERBICIDES**



#### AgSaver™ Glyphosate 53.8%

Post emergence, non-selective herbicide offering broad spectrum control of many annual weeds in many agricultural systems and glyphosate-resistant crops. Formulated as a water-soluble liquid. Contains glyphosate, the active ingredient found in Roundup® Herbicides.



#### Willowood Glypho 6

Post emergence, non-selective herbicide for weed control in many agricultural systems and in glyphosate-resistant crops. Contains glyphosate, potassium salt, the active ingredient found in Roundup PowerMAX® II Herbicide.



#### Fluroxypyr-MHE 1.60 Value Pick

Selective post emergence control of annual and perennial broadleaf weeds and woody brush. Contains fluroxypyr, the active ingredient in Fancy Herbicide.



#### Clopyralid .75 + Fluroxypyr .75 Value Pick

Post emergence herbicide for control of annual and perennial broadleaf weeds in barley and oats not under-seeded with a legume, corn, wheat, grasses grown for seed and other labeled crops. Contains clopyralid and fluroxypyr, the active ingredients in WideMatch® Herbicide.



#### Ozone™

Post emergence herbicide for the control of wild oat, green foxtail and other grass and broadleaf weeds in spring and winter wheat. Contains flurcarbazone-sodium, the active ingredient in Agri Star® Ozone 3.0 Herbicide.



#### Alligare MSM 60

Water dispersible granule for control of annual and perennial weeds.



#### **Carfentrazone Value Pick**

Selective post emergence herbicide for broadleaf weed control. Contains carfentrazone, the active ingredient in Aim® EC herbicide.



#### Flumioxazin 51% WDG Value Pick

Preemergence herbicide for broad spectrum control of susceptible broadleaf weeds in many labeled row and specialty crops. Contains flumioxazin, the active ingredient in Valor® SX and Chateau® WDG Herbicides.



#### Metribuzin 75% Value Pick

Broad spectrum herbicide for control of certain grasses and broadleaf weeds as a stand-alone or tank-mix partner with other herbicides to add an additional mode of action. Contains metribuzin, the active ingredient found in Sencor® 4 Flowable Herbicide.



#### 2,4-D LV6 Value Pick

Pre- and post emergence herbicide for control of many broadleaf weeds and brush control in corn, small grains, soybeans (preplant) and other labeled crops. Contains 2,4-D and 2-ethylhexyl ester, the active ingredients found in 2,4-D LV 6 Herbicide.



#### **Willowood Paraquat 3SL**

Defoliant and desiccant herbicide for the control of weeds and grasses and as a harvest aid. Contains paraquat, the active ingredient in Gramaxone® SL Herbicide.



#### Sharpen® powered by Kixor® herbicide

Contact burndown and rate-dependent residual preemergence broadleaf weed control in select field and row crops such as corn, cotton, forage grasses, rice, small grains, sorghum, soybean, fallow and postharvest croplands, pasture and other labeled crops.



#### **Dicamba DMA 4 Value Pick**

Pre- and post emergence herbicide for weed control in corn, cotton, sorghum, soybean, small grains, pasture, hay, rangeland, farmstead (non-cropland), fallow and other labeled crops. Contains dicamba DMA, the active ingredient in Banvel® Herbicide.





#### GCS AzoxyProp

Broad spectrum fungicide for management of many plant diseases in labeled row and specialty crops. Contains azoxystrobin and propiconazole, the active ingredients in Quilt® Xcel Fungicide.



#### **GCS Azoxy 2SC**

Broad spectrum systemic fungicide for management of many plant diseases in labeled row and specialty crops. Contains azoxystrobin, the active ingredient in Aframe™ Fungicide.



#### **Willowood Propicon 3.6EC**

Broad spectrum fungicide formulated for the management of many plant diseases in labeled row and specialty crops. Contains propiconazole, the active ingredient in Tilt® Fungicide.



#### Willowood Teb 3.6SC

Fungicide for the control of specified diseases in row and specialty crops such as barley, beans, corn, cotton, peanut, soybean, wheat and other labeled crops. Contains tebuconazole, the same active ingredient in Onset™ 3.6SL Fungicide.



#### Willowood Tebustrobin SC

Broad spectrum suspension concentrate fungicide for control of diseases in many labeled crops. Contains tebuconazole and azoxystrobin, the active ingredients in Custodia® Fungicide.

#### **INSECTICIDES**



#### Willowood Lambda-Cy 1EC

Broad spectrum insecticide for use in many labeled row and specialty crops. Can be applied via ground or air. Restricted Use Pesticide. Contains lambda-cyhalothrin, the active ingredient in Silencer® Insecticide.



#### **GCS Bifenthrin 2EC**

Broad spectrum insecticide for control of insects and mites in many row and specialty crops, such as canola, corn, cotton, dried beans and peas, fruiting vegetables, grapes, head lettuce, peanuts, soybeans and other labeled crops. Contains bifenthrin, the active ingredient in Bifen 2EC Select™ Insecticide.





#### FieldGrip™ DRA

FieldGrip DRA is a high-concentrate emulsifiable deposition aid and drift management adjuvant.



#### FieldGrip™ VRA

A VaporGrip® Xtra Agent may be used as an additional tool to reduce volatility potential when tank mixed with dicamba. Use of FieldGrip VRA does not replace an approved drift reduction adjuvant (DRA).



#### Even<sup>™</sup> 34L

Even 34L is a liquid ammonium sulfate (AMS) water conditioner designed to reduce the antagonism of spray water impurities that can interfere with the performance of glyphosate, glufosinate and other herbicides.



#### **Even™ LR**

Even LR is a reduced-rate AMS-replacement adjuvant designed to deliver similar water conditioning activity at lower rates than plain AMS. Even LR can enhance the performance of spray applications by improving spray tank water quality and minimizing hard water interference with herbicide activity.



#### Even<sup>™</sup> DR

Even DR is a water soluble blend of reduced rate water conditioning and sequestering agents. It is intended for use with glyphosate and other herbicide spray applications that recommend the use of ammonium sulfate or nitrogen fertilizer as a spray additive. Even DR is a fully soluble spraygrade granule that readily goes into solution.



#### **Even™ L Pro**

Even L Pro is an optimized premix of drift management agents, deposition aids, AMS and surfactant. It is designed to enhance the performance and activity of pesticide sprays by reducing tie-up of herbicides in hard water, improving spray application coverage and minimizing spray drift.



#### IN-Zorb™ ADV

IN-Zorb ADV is an APE-free nonionic surfactant designed to improve the effectiveness of crop protection products by reducing surface tension of spray droplets for uniform spreading and coverage of leaf surfaces.



#### **IN-Cert™ MSO**

IN-Cert MSO is a methylated vegetable oil and surfactant blend formulated to enhance pesticide performance through improved leaf cuticle penetration and uniform droplet coverage of target surfaces



#### **IN-Cert**<sup>™</sup> **HighSurf MSO**

IN-Cert HighSurf MSO is a specialized blend of modified seed oil and surfactant designed to enhance the performance of herbicides. It may be used at reduced rates compared to conventional MSO. IN-Cert HighSurf MSO may also be used with insecticides, fungicides and PGRs.



#### IN-Cert™ Organosil MSO

IN-Cert Organosil MSO is a multifunction adjuvant that rapidly penetrates leaf surfaces and provides superior surface coverage compared to ordinary silicone blends, MSO or crop oil.



#### IN-Plant™

IN-Plant is a crop oil concentrate adjuvant containing paraffinic oil, emulsifiers and surfactants.



#### IN-Plant™ ADV

In-Plant ADV is a unique hybrid adjuvant that combines the functions of a nonionic surfactant, oil concentrate and penetrant in a single product. It may be used as a replacement for crop oil concentrates and high surfactant oil concentrates.



#### **Tether™ DC**

Tether DC is a multifunction adjuvant designed to protect the performance of dicamba-based herbicides from hard water tie-up and to reduce the risk of drift.



#### Tether<sup>™</sup> 24

Tether 24 is a multifunction adjuvant that reduces drift risk and protects 2,4-D, glyphosate and other herbicides from hard water tie-up.



#### **PICK YOUR PACK**

To learn more about our Acre Packs, or to talk to an FBN representative, call **844-200-FARM** or visit **FBN.com/AcrePack** 

# ADJUVANTS: VITAL TOOLS FOR IMPROVING CROP PROTECTION PERFORMANCE

Enhance the effectiveness and safety of your crop protection with adjuvants. Whether aiding in spray application, supporting better mixing and handling, or minimizing the potential for drift, the Farmers First™ portfolio of quality adjuvants can help deliver a boost to your crop protection program at a great value.

GLYPHOSATE TANK MIXES						lo:	Canopy Penetration	Leaf Surface Coverage	Spray Droplet Retention	Leaf Surface Penetration	Humectant/Evaporation Reduction	Spreader/Wetter/Activator
GLYPHOSATE TYPE	FBN RECOMMENDED	RATE	NOTES	Water Conditioner	Defoamer	Drift Control	Canopy Pe	Leaf Surfa	Spray Dro	Leaf Surfa	Humectan	Spreader/
Unloaded	Even™ L Pro	1-5 gal/100	Highly Recommended									
Glyphosate	IN-Zorb™ 90	2-4 pt/100	For Enhanced Performance									
	Even™ LR or DR	LIQ: 1-5 gal/100 DRY: 8.5-17 lbs/100	Highly Recommended									
Loaded Glyphosate	IN-Zorb™ 90	1 pt/100*	For Enhanced Performance When Spray Volumes Exceed 20 GPA									
	FieldGrip™ DRA	1-6 oz/acre	Improved Canopy Penetration & Drift Control									
	Even™ LR or DR	LIQ: 1-5 gal/100 DRY: 8.5-17 Ibs/100	Highly Recommended									
Complicated Tank	IN-Zorb™ 90	1-4 pt/100	For Enhanced Performance or when Label Required									
Mixes	IN-Cert™ HighSurf MSO	10-12 oz/acre	For Enhanced Performance or When Label Required									
	FieldGrip™ DRA	1-6 oz/acre	Improved Canopy Penetration & Drift Control									
Glyphosate + AMS Free Water Condi-	Tether™ DC or Tether™ 24	DICAMBA: 5 pt/100 OTHER: 2-3 qt/100	Highly Recommended	AMS Free								
tioner Requirement	IN-Zorb™ 90	1 pt/100	For Enhanced Performance or When Label Required							n 1		



To learn more about our crop protection products, or to talk to an *FBN* representative, call **844-200-FARM** or visit **FBN.com** today.

## **DICAMBA TANK MIXES**

Product	Active Ingredient 1	Active Ingredient 2	FBN Products	Use Rate	Reduces Antagonism	Improves Coverage	Improves Penetration	Increases Transport	Reduces Physical Drift	Reduces Volatility
Glyphosate		Tether™ DC	5 pts/100	BEST	DECT	BEST	PECT	PECT	BEST	
	Giyphosate	None	FieldGrip™ VRA	1 gal/100	DEST	BEST	DEST	BEST	BEST	DE91
	Glyphosate	Clethodim	Tether™ DC	5 pts/100	BEST	BEST	FAIR	FAIR	BEST	BEST
Engenia™ or Xtendimax™			FieldGrip™ VRA	1 gal/100						DEST
			Tether™ DC	5 pts/100				BEST	BEST	
	Glyphosate	Clethodim	FieldGrip™ VRA	1 gal/100	BEST	BEST	BEST			BEST
			IN-Cert™ HighSurf MSO	12 oz/ acre						

Product	Active Ingredient 1	Active Ingredient 2	FBN Products	Use Rate	Reduces Antagonism	Improves Coverage	Improves Penetration	Increases Transport	Reduces Physical Drift	Reduces Volatility
			Tether™ DC	5 pts/100		BEST				
	Glyphosate	None	FieldGrip™ VRA	1 gal/100	BEST		BEST	BEST	BEST	BEST
	Ob and the second	Fl	Tether™ DC	5 pts/100	DECT	BEST	FAIR	FAIR	BEST	
Glyph	Glyphosate	Fluazifop	FieldGrip™ VRA	1 gal/100	BEST					
		Fluazifop	Tether™ DC	5 pts/100	BEST				BEST	BEST
	Glyphosate		FieldGrip™ VRA	1 gal/100						
			IN-Cert™ HighSurf MSO	12 oz/acre						
			Tether™ DRA	5 pts/100				GOOD		BEST
							GOOD			
			IN-Zorb™ ADV	2 pts/100						

## 2,4-D TANK MIXES

Product	Tank Mix Partner	Adjuvant	Use Rate	Antagonism	Coverage	Penetration	Transport	Physical Drift	Volatility
		FBN AMS Pro						NO IMPACT	NO IMPACT
	Loaded Glyphosate	FBN AMS 34L	1-5 gal/100	BEST			BEST		NO IMPACT
Enlist®		FieldGrip™ DRA	4 oz/acre						
One		FBN AMS Pro	1.25 - 2.5 gal/100	BEST		BEST		NO IMPACT	NO IMPACT
	Glufosinate	FBN AMS 34L	1-5 gal/100	BEST	BEST	BEST	BEST	BEST	NO IMPACT
		FieldGrip™ DRA	4 oz/acre					DEST	NOTIMPACT

# CROP NUTRITION: TAP THE FULL POWER OF NATURE

PRODUCT	DESCRIPTION	CONTENTS
Catalyst ADV™	Provides a diverse energy source to activate the native soil microbiome to increase soil and fertilizer efficiency	Diverse Energy Source of over 300 biomolecules and metabolites
Inject-N™ ADV	Nitrogen fixing bacteria to enhance root nodulation, early vigor, phytohormone production and nitrogen uptake	Azospirillum
Inject-Myco ADV™	Supports enhanced root absorption, availability and uptake of key nutrients and increased tolerance to environmental stressors such as drought	Mycorrhizal Fungi
Inject PK™	Improved phosphate and potassium uptake and enhanced nutrient capacity to fuel early root and shoot growth and volume	Trichoderma
Atarrus™	Mitigates the negative impact of environmental and pesticide stress on crops and with the assimilation of nitrogen into the plant	Vegetal Protein Hydrolysate (Peptide)
Inhabit Boost™	Low rate, high efficiency carbon source that improves nutrient transport qualities in soils and efficiencies of fertilizers	Micronized Carbon Derived from Unique Source of Leonardite
Inhabit Build™	Provides stable carbon in the form of humates for the purposes of improving soil quality and nutrient transport. It is highly compatible and soluble in a pH range of 2.0 to 12.0, including most high phosphate fertilizers.	12% Humic Acid
Inhabit Build™ Granular	Provides stable carbon in the form of humates for the purposes of improving soil quality and nutrient transport	1-3 MM Humate
Inhabit Fe™		Soil Applied Iron Complexed with Micronized Carbon
Inhabit Zn™	Soil applied nutrients complexed with micronized, oxygen rich carbon derived from a unique source of leonardite that enables high nutrient uptake, enables a	Soil Applied Zinc Complexed with Micronized Carbon
Inhabit B™	low use rate, has low salt content and is beneficial to soil health and function	Soil Applied Boron Complexed with Micronized Carbon
Inhabit Start™		Starter Blend Complexed with Micronized Carbon
Inhabit N™	Inhabit N is highly available source of nitrogen for either soil or foliar use. Inhabit N is complexed with micronized, oxygen rich carbon derived from a unique source of leonardite that keeps the nitrogen highly soluble for quick crop response, has low salt content, enables reduced use rates, with reduced risk of leaching and volatilization when soil applied.	Liquid Nitrogen Complexed with Micronized Carbon
Inhabit P™	Inhabit P is highly available source of phosphorus for either soil or foliar use. Inhabit P is complexed with micronized, oxygen rich carbon derived from a unique source of leonardite that keeps the phosphate highly soluble and resistant to tie up in conditions with clay, metal ions, calcium, high pH, waterlogging, cold soil and other difficult conditions. The high availabiity enables a low use rate with low salt content that is beneficial to soil health and function. Phosphorus aids the production of amino acids, proteins and carbohydrates necessary for cellular division.	Liquid Phosphorus Complexed with Micronized Carbon

By harnessing naturally occurring biological processes, crop nutrition products boost the vitality of your crops. The Farmers First™ portfolio of quality crop nutrition can help support soil health, nutrient use and availability.

To make selecting crop nutrition easier, we've grouped all products in the Farmers First™ crop nutrition portfolio into five core categories: soil prebiotics, soil probiotics, carbon sources, photosynthetic enhancers and high uptake nutrients.

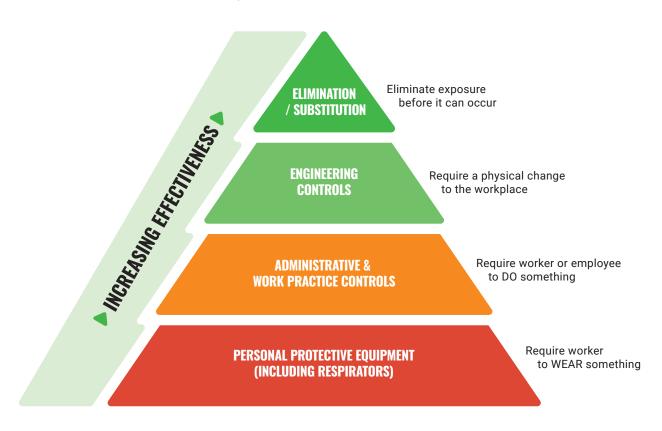
CATEGORY	RATE	PACKAGE SIZE(S)	SOIL APPLIED	FOLIAR APPLIED
Soil Prebiotic	General Soil Application - 1 to 2 pt	2x2.5 Gal Case, 1x265 Gal Tote		
Soil Probiotic	3 oz/A OR 3 oz/100 lb (seed treatment)	1x2.5 Gal		
Soil Probiotic	2 oz/A OR 1.5 oz/100 lb (seed treatment)	1x2.5 Gal		
Soil Probiotic	See Label	3.2 kg Pail		
Photosynthetic Enhancer	Single 16 fl oz/A tank-mixed either at first foliar herbicide or fungicide timing  Two 8 fl oz/A tank mixed both at first foliar herbicide and fungicide timing	2x2.5 Gal Case, 1x150 Gal Tote, 1x265 Gal Tote		
Carbon Source	General Soil Application - 1 to 2 pt Liquid Fertilizer - 1 to 2 pt per 40 gal	2x2.5 Gal Case, 1x265 Gal Tote		
Carbon Source	1 to 10 qt/A	1x265 Gal Tote		
Carbon Source	Up to 75 to 300 lb/A	1x2000 lb Tote		
High Uptake Nutrient	In Furrow / Banded / Sidedress - 1 to 2 qt Soil Broadcast 2 to 4 qt	2x2.5 Gal Case, 1x265 Gal Tote		
High Uptake Nutrient	In Furrow / Banded / Sidedress - 1 to 2 qt Soil Broadcast 2 to 4 qt	2x2.5 Gal Case, 1x265 Gal Tote		
High Uptake Nutrient	In Furrow/Banded /Sidedress - 1/2 to 1 pt Soil Broadcast 1 to 2 pt	2x2.5 Gal Case, 1x265 Gal Tote		
High Uptake Nutrient	In Furrow / Banded / Sidedress - 1 to 2 qt Soil Broadcast 2 to 4 qt	2x2.5 Gal Case, 1x265 Gal Tote		
High Uptake Nutrient	Foliar Broadcast 1 to 5 gal In Furrow/Banded/Sidedress - 1 to 10 gal Soil Broadcast 1 to 20 gal	2x2.5 Gal Case, 1x265 Gal Tote		
High Uptake Nutrient	1 to 8 qt/A (See Label)	2x2.5 Gal Case, 1x265 Gal Tote		

# CONTROLLING WORKPLACE HAZARDS

There are risks included with using herbicides and other chemicals. Applicators should always read the label which provides information on the proper application methods and other safety details.

Controlling exposures to chemical hazards and toxic substances is the fundamental method of protecting workers. A hierarchy of controls is used as a means of determining how to implement feasible and effective controls.

Engineering and work practice controls must be the primary way to reduce employee exposure to toxic chemicals. Respiratory protection is required to be used when engineering or work practice controls are infeasible or while they are being implemented.



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Where possible, elimination or substitution is the most desirable followed by engineering controls. Administrative or work practice controls may be appropriate in some cases where engineering controls cannot be implemented or when different procedures are needed after implementation of the new engineering controls. Personal protection equipment is the least desirable but may still be effective.

TYPE OF CONTROL	EXAMPLES
Elimination/Substitution	Substitute with safer alternatives through a work plan, like the 7-Step Work Plan.  1. Identify chemical 2. Set a reduction goal 3. Track achievements by date 4. List action steps 5. Develop timeline 6. Set metrics 7. Identify assessment tool used
Engineering Controls (implement physical change to the workplace which eliminates/reduces the hazard on the job/task)	<ul> <li>Change process to minimize contact with hazardous chemicals.</li> <li>Isolate or enclose the process.</li> <li>Use of wet methods to reduce generation of dusts or other particulates.</li> <li>General dilution ventilation.</li> <li>Use fume hoods.</li> </ul>
Administrative and Work Practice Controls (establish efficient processes or procedures)	<ul> <li>Rotate job assignments.</li> <li>Adjust work schedules so that workers are not overexposed to a hazardous chemical.</li> </ul>
Personal Protective Equipment (use protection to reduce exposure to risk factors)	<ul> <li>Use chemical protective clothing.</li> <li>Wear respiratory protection. [See the Respiratory Protection Safety and Health Topics page]</li> <li>Use gloves.</li> <li>Wear eye protection.</li> </ul>



# MIXING ORDER MATTERS

For herbicide applications mixed with water, remember the WALES acronym regarding mixing order. Begin by filling the spray tank with about half of the water required for the total spray job, and begin agitation.



Continue **AGITATION** to fully suspend material between additions.

Add **LIQUID** flowable and suspension concentrated herbicides.

Add EMULSIFIABLE concentrates next.

Finally, add SURFACTANTS, followed by any adjuvants and drift control agents.

Finally, add water to the required levels and continue agitation so that the tank mix is ready for spraying. *Always remember to read and follow label instructions*.



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## **FARM NOTES**

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