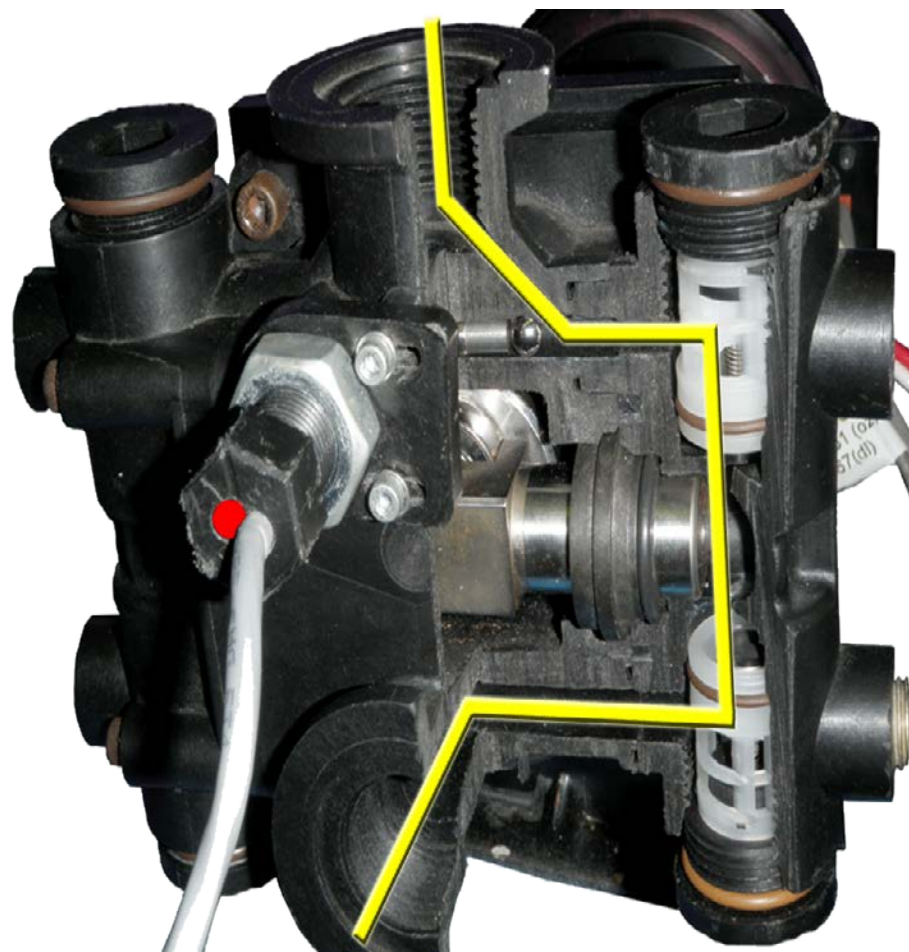
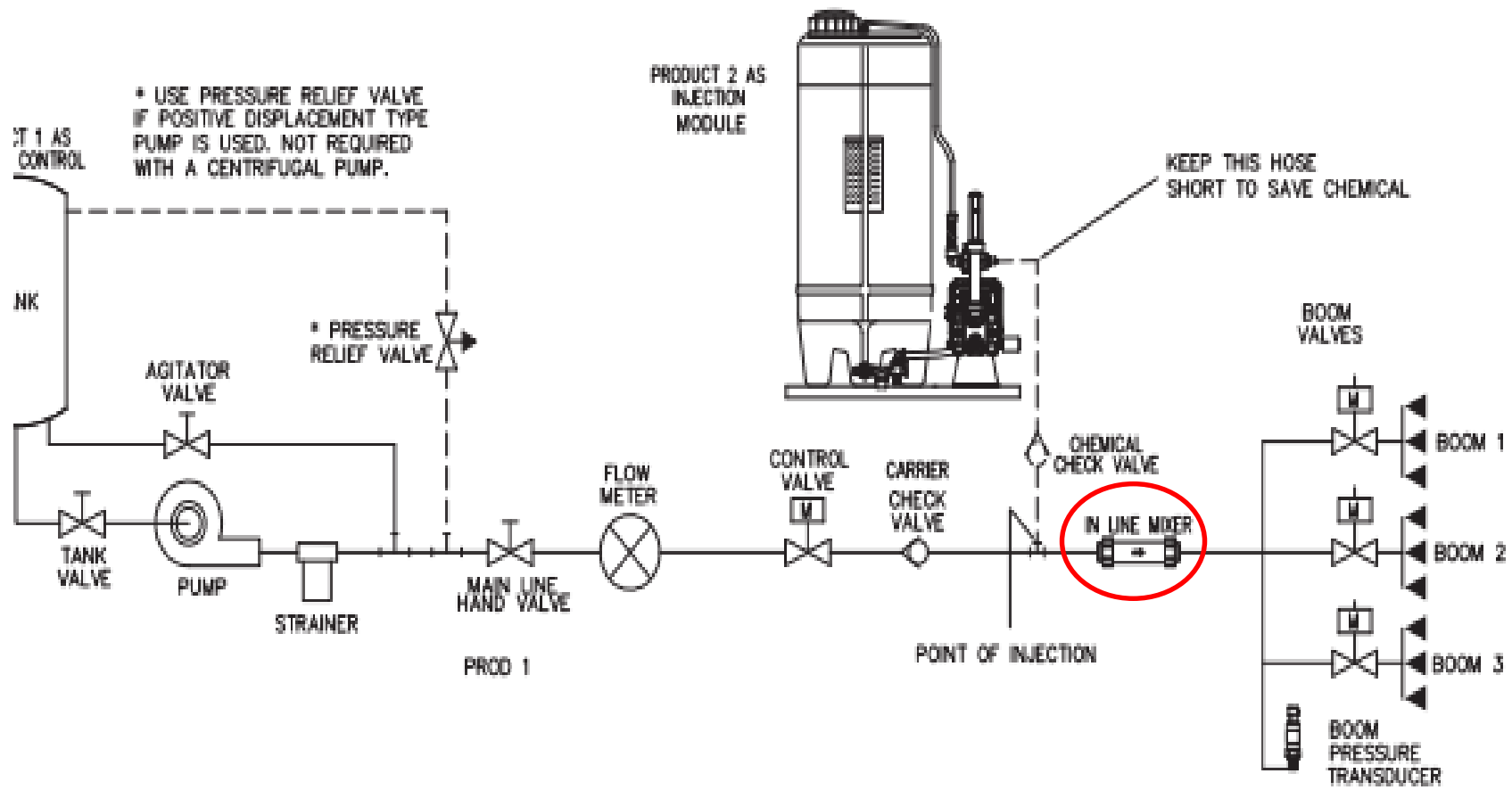


The Direct Injection System

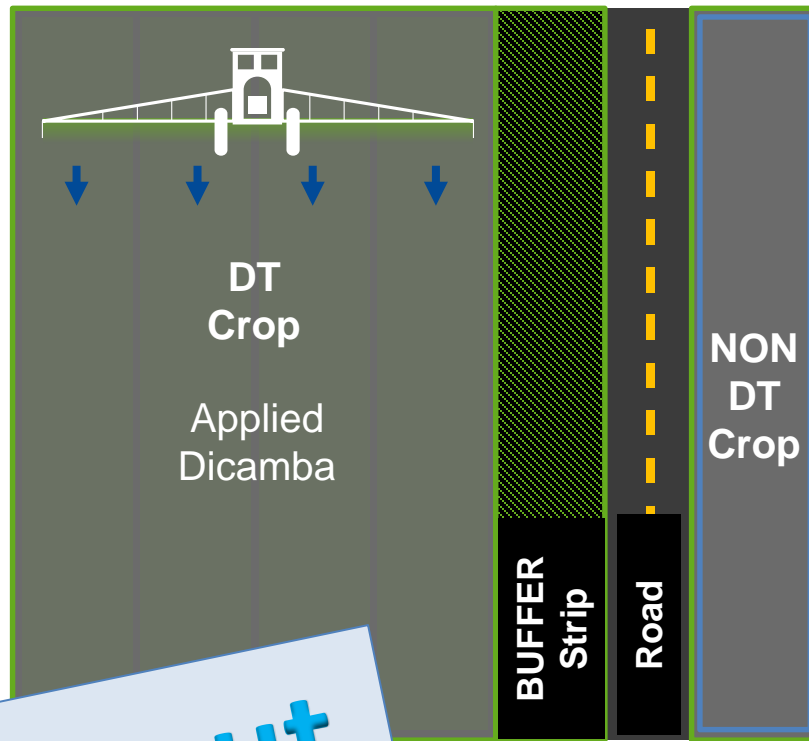




Direct Injection: How it Works



What does direct injection do for your sprayer?



Cleanout

Chemical injection flexibility

Example Advantages

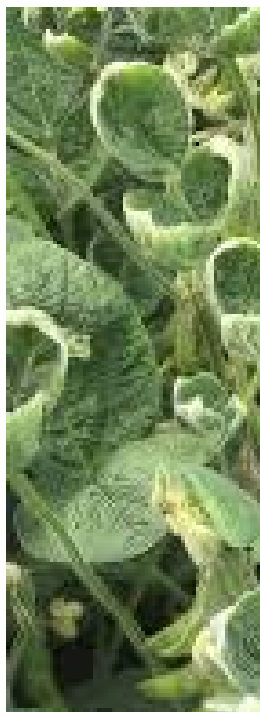
1. Spray Tank Contamination
-Risk Avoidance
2. Field Border Management
-Premixes potentially require loading twice to manage glyphosate only "buffer" zones
3. Most productive with low use products

Direct Injection









I WANT THE DICAMBA



YOU CAN'T HANDLE THE DICAMBA!!!

Fuel Tester & Catch Can
For Quick & Clean
Fuel Testing



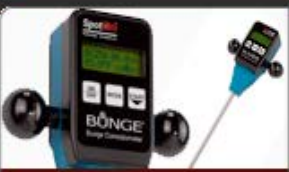
➔ Fuel Tester



➔ Sprayer Calibrator



➔ Reel Estimator

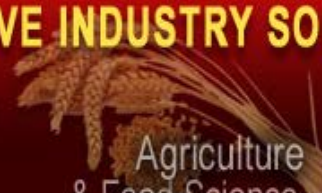


➔ Bunge® Consistometer

INNOVATIVE INDUSTRY SOLUTIONS



Aviation



Agriculture
& Food Science



Industrial &
Manufacturing

➔ Product Detail

Sprayer Calibrator

Flow Meter



SpotOn®

Sprayer Calibrator

**Accurate Flow Rate
Measurements in Seconds**

- ONE-TIME MEASUREMENTS OF FLOW - NO FLOW METER REQUIRED TO MEASURE FLOW RATE. CONCENTRATION IS NOT REQUIRED.
- ACCURATE MEASUREMENTS IN SECONDS - NO FLOW METER REQUIRED TO MEASURE FLOW RATE. CONCENTRATION IS NOT REQUIRED.
- FLOW RATE MEASUREMENTS - NO FLOW METER REQUIRED TO MEASURE FLOW RATE. CONCENTRATION IS NOT REQUIRED.



**Avoid costly
over or under
application of
chemicals!**

Flow Calibrator
Measures flow rate
in seconds
No flow meter
required
No concentration
required





\$150.00 & \$219.00

Product Description

Provides quick and accurate flow rate checking of individual sprayer nozzles. This model is best for flow rate under 1 GPM. (SC-4 is best for flow rates over 1 GPM)

Item #: 23890

U.S. List Price: \$149.95

Other Product Information

- Patented Design # US 8,297,131
- [Download Product Manual](#)
- 2012 Successful Farming Article:
"Calibration Made Easier" By Desmond Keller

<http://www.innoquestinc.com/>



Sprayer Calibration Calculator

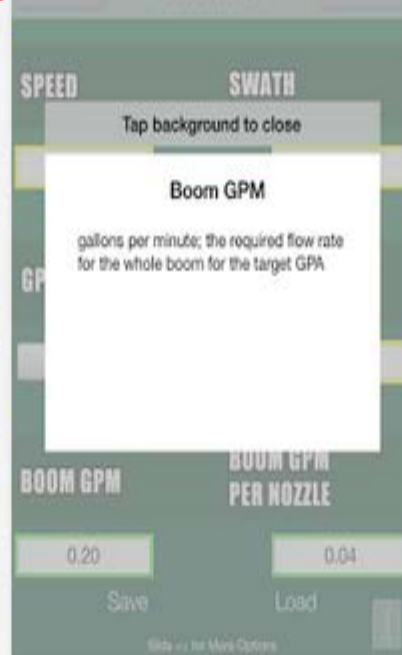
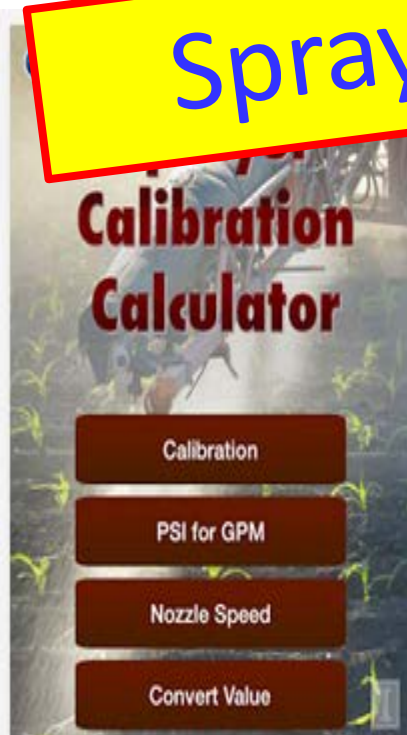
University of Illinois Extension - July 22, 2014

Tools

Installed

 This app is compatible with your device.

Sprayer Calibration Calculator





Halex[®]GT

Herbicide

syngenta.

A Postemergence Herbicide for Weed Control in
Glyphosate Tolerant (GT) Corn

Active Ingredients:

S-metolachlor*	20.50%
Glyphosate, N-(phosphonomethyl) glycine	20.50%
Mesotrione**	2.05%

Other Ingredients: 56.95%

Total: 100.00%

Active ingredients per U.S. gallon: S-metolachlor 2.09 pounds, glyphosate acid 2.09 pounds and mesotrione 0.209 pounds.

*CAS No. 87392-12-9

**CAS No. 104206-82-8

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-1282 EPA Est. No. 100-LA-001

SCP 1282A-L4B 0615

4055250

2.5 gallons

Net Contents





Halex[®]GT

Herbicide

syngenta.

A Postemergence Herbicide for Weed Control in
Glyphosate Tolerant (GT) Corn

Active Ingredients:

S-metolachlor* 20.50%

Glyphosate, N-(phosphonomethyl) glycine 20.50%

Mesotrione** 20.50%

Other Ingredients:

Total:

Active ingredients:

GROUND APPLICATION

Ensure that spray nozzles are uniformly spaced, the same size and type, and provide accurate and uniform application. Use spray nozzles that provide medium to coarse droplet size to provide good coverage and avoid drift. Good weed coverage is essential for optimum weed control. Base boom height for broadcast over-the-top applications on the height of the crop – at least 15 inches above the crop canopy.

Flat fan (of 80° or 110°) or Turbo Tee Jet nozzles will provide optimum coverage. Do not use flood jet nozzles or controlled droplet application equipment for applications of Halex GT Herbicide.

Nozzles may be angled forward or backward 45° to enhance penetration of the crop and provide better coverage. Ensure that all in-line strainer and nozzle screens in the sprayer are 50-mesh or coarser.

Apply Halex GT Herbicide in a spray volume of 10-30 gal/A. Use a pump that can maintain a pressure of at least 35-40 psi at the nozzles (check nozzle manufacturer's instructions) and provide proper agitation within the tank to keep the product dispersed. Lower pressures may be used with extended range or drift reduction nozzles. When weed foliage is dense, use a minimum of 15 gal/A.

PULL HERE TO OPEN ►

GROUP 9 14 HERBICIDES



Flexstar[®]GT 3.5

syngenta.

Herbicide

For Control of Certain Weeds in
Cotton and Soybeans



Active Ingredients:

Sodium Salt of Fomesafen:	5.88%
Glyphosate:	22.40%

Other Ingredients:	71.72%
--------------------------	--------

Total:	100.00%
---------------	----------------

Flexstar GT 3.5 is formulated as a soluble liquid.

Flexstar GT 3.5 contains 0.56 pounds of fomesafen and 2.26 pounds of glyphosate expressed as acid equivalent per gallon.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

EPA Reg. 100-1385

EPA Est. 070989-MO-001

SCP 1385A-L1C 0415
4056611

2.5 gallons
Net Contents



PULL HERE TO OPEN ►

GROUP 9 | 14 HERBICIDES



Flexstar[®]GT 3.5

syngenta.

Herbicide

For Control of Certain Weeds in
Cotton and Soybeans

Active Ingredients:

Sodium Salt of Fomesafen:	5.88%
Glyphosate:	22.40%

Other Ingredients:	71.72%
--------------------------	--------

Total:

Flexstar GT 3.5



Ground Application

Use sufficient spray volume and pressure to ensure complete coverage of the target. A spray volume of 15-20 gallons per acre and 30-60 psi at the nozzle tip is recommended. When foliage is dense, use a minimum of 20 gallons per acre to ensure adequate coverage.

The use of flat fan nozzles will result in the most effective postemergence application of Flexstar GT 3.5. Use nozzles that are set up to deliver medium quality spray (ASAE Standard S-572).

DO NOT USE AIR-INDUCTION, FLOOD TYPE OR OTHER SPRAY NOZZLES WHICH DELIVER COARSE, LARGE DROPLET SPRAYS.

Net Contents



Specialty formulated
for Roundup Ready® crops

GROUP 3 HERBICIDE

Complete Directions for Use

GM Reg. No. 524-540

2007-1

WIDE CROWNED OF HERBICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED
WIND-ANDY ROOTS OR FRUIT OF CROPS (ROUNDUP AS SPECIFIED FOR
INDIVIDUAL ROUNDUP READY® CROPS), DESIRABLE PLANTS AND
TREES, BECAUSE SEVERE INJURY OR DESTRUCTION MAY RESULT.

Herbicide for Roundup Ready Crops

Selective broad-spectrum weed control in Roundup Ready crops.

Non-selective, broad-spectrum weed control for many
agricultural systems and home lawns.

Not all products recommended on this label are registered for use in California. Check
the registration status of each product in California before using.

Read the entire label before using this product.

Use only according to label instructions.

Read the "LIMIT OF WARRANTY AND LIABILITY" statement at the end of the label
before buying or using. If terms are not acceptable, return at once unopened.

THIS IS AN END-USE PRODUCT. MONSIEUR CROPS NOT INTEND AND HAS NOT
REGISTERED IT FOR REFORMULATION. SEE INDIVIDUAL CONTAINER LABEL FOR
REFORMULATION LIMITATIONS.

1.0 INGREDIENTS

ACTIVE INGREDIENTS

*Glyphosate, N-(phosphonomethyl)glycine,
in the form of its potassium salt 48.7%
OTHER INGREDIENTS 51.3%
100.0%

*Contains 860 grams per liter or 5.5 pounds per U.S. gallon of the active ingredient
glyphosate, in the form of its potassium salt. Equivalent to 540 grams per liter or
4.5 pounds per U.S. gallon of the acid, glyphosate.

This product is patented by U.S. Patent No's. 5,018,095, 5,037,085 and 6,265,551.
Other Patents Pending. No license granted under any non-U.S. patent(s).

2.0 IMPORTANT PHONE NUMBERS

1. FOR PRODUCT INFORMATION OR ASSISTANCE IN USING THIS PRODUCT, CALL
TOLL-FREE:

1-800-332-3111

2. IN CASE OF AN EMERGENCY INVOLVING THIS HERBICIDE PRODUCT, OR FOR
MEDICAL ASSISTANCE, CALL COLLECT, DAY OR NIGHT:

(314) 654-4800

3.0 PRECAUTIONARY STATEMENTS

3.1 Hazards to Humans and Domestic Animals

Keep out of reach of children
CAUTION!

CAUSES MODERATE EYE IRRITATION

Avoid contact with eyes, skin, or clothing.

FIRST AID: Call a poison control center or doctor for treatment advice.

IF IN EYES: • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.

• Remove contact lenses if present after the first 5 minutes then continue rinsing eye.

IF ON SKIN: • Take off contaminated clothing.

• Rinse skin immediately with plenty of water for 15 to 20 minutes.

• If you have the product container or label with you when calling a poison control center or doctor, or going for treatment.

• You may also contact (314) 654-4800, collect day or night, for emergency medical treatment information.

• This product is identified as Roundup Ready® Herbicide, EPA Registration No. 524-540.

ENVIRONMENTAL HAZARDS: This product is considered to be relatively nontoxic to dogs and other domestic animals, however, ingestion of this product or large amounts of freshly sprayed vegetation may result in temporary gastrointestinal irritation (vomiting, diarrhea, colic, etc.). If such symptoms are observed, provide the animal with plenty of fluids to prevent dehydration. Call a veterinarian if symptoms persist for more than 24 hours.

Personal Protective Equipment (PPE)

Some of the materials that are chemicals resistant to this product are listed below. If you want more options, follow the instructions for Category A or an OSHA chemical resistance category selection chart.

Applicators and other handlers must wear: long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.

Follow manufacturer's instructions for cleaning/maintaining PPE. If you have a respirator, follow the manufacturer's instructions for cleaning/maintaining it. If you have a respirator, follow the manufacturer's instructions for cleaning/maintaining it. If you have a respirator, follow the manufacturer's instructions for cleaning/maintaining it.

When handlers use closed system, enclosed cabs, or aircraft in a manner that meets the requirements listed in Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240 (b) (4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided at PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.



GROUP 3 11 FUNGICIDES

PULL HERE TO OPEN

Quilt Xcel®

Fungicide

syngenta.

Broad-spectrum fungicide for control of
plant diseases

Active Ingredients:

Azoxystrobin 13.5%

Propiconazole 11.7%

Other Ingredients: 74.8%

Total: 100.0%

Contains 1.02 lb ai propiconazole and 1.18 lb ai azoxystrobin per gallon

Quilt Xcel Fungicide is formulated as a suspo-emulsion (SE).

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la
explique a usted en detalle. (If you do not understand the label, find
someone to explain it to you in detail.)

See additional precautionary statements and directions for use
inside booklet.

EPA Reg. No. 100-1324

EPA Est. 100-NE-001

SCP 1324A-L1L 0216

4066289

2.5 gallons
Net Contents

ACCEPTED

11/09/2016

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 524-617



SUPPLEMENTAL LABELING

READ THE ENTIRE LABEL FOR XTENDIMAX™ WITH VAPORGRIP™
BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED ON THE
SUPPLEMENTAL LABELING.

When using XtendiMax™ With VaporGrip™ Technology, read and follow all application directions, and precautions on the container label and booklet provided with the product, and on this supplemental labeling. This supplemental labeling must be read by the user at the time of pesticide application.

This supplemental label expires 11/09/2016. It must not be used or distributed after this date.

XtendiMax™ With VaporGrip™ Technology

EPA Reg. No. 524-617

GROUP

4

HERBICIDE

**FOR PREEMERGENCE AND POSTEMERGENCE USE ON
ROUNDUP READY 2 XTEND® SOYBEANS**

Keep out of reach of children

CAUTION!

Monsanto's Dicamba Technology

XtendiMax™ Herbicide With VaporGrip™ Technology

This website contains information required by the supplemental label for Xtendimax™ With VaporGrip™ Technology. Please read and follow the [supplemental label](#).

ALWAYS READ AND FOLLOW PESTICIDE PRODUCT LABELING. It is a violation of Federal and state law to use any pesticide product in a manner inconsistent with its labeling.

APPLICATION
REQUIREMENTS

TANK MIX

NOZZLES

Herbicides

Glyphosate products limited to a maximum use rate of 32 fl oz per acre for each application when tank-mixed with XtendiMax™ With VaporGrip® Technology.

- First Rate®
- **Honcho® K6™** (max use rate of 32 fl oz per acre for each application) AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **Reflex®** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **Roundup PowerMAX®** (max use rate of 32 fl oz per acre for each application) AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **Roundup PowerMAX® II** (max use rate of 32 fl oz per acre for each application) AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **Roundup WeatherMAX®** (max use rate of 32 fl oz per acre for each application) AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- Rowel™
- Rowel™ FX
- **Select Max®** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **Staple® LX** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- Valor® EZ
- Valor® SV

max™ With
of the following

xtendimaxapplicationrequirements.com

Adjuvants

- **AP 910** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- Ad-Max 90™
- AG16098®
- **AP Simmer** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- Astonish™
- **Between™** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- Bomber™
- **Brandt® Torpedo®** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **Buckhorn™ Total** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **Cado MAX** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **CERIUM™ ELITE** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **Chempro A-10** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **Chempro CP-60** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **Chempro CP-60** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE

xtendimaxapplicationrequirements.com

- **Choice® Trio**
- Clasp®
- ClassAct® Ridion®
- **COMPADRE®** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- Contrast™
- **CORNBELT® Locktite™ MSO** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- CORNBELT® Vaporgard™
- Correx™ WC
- **CROSSHAIR®** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **Destiny® HC** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- Deuce™
- DILIGENCE™
- **Eminence™** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE

Additional Adjuvants

- Ensure™ Max
- Fast Break®
- **FASTSTRIKE ADVANCED™** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **Finan HL™** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **FIXATE™ PRO** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- FoamBreaker™
- **FS COC Supreme™** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- FSAttero
- FSCertin™
- **GPX 791** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **Hefty Premium Non-Ionic Surfactant** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **Hook®™** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **IAP Pro 90** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **Iconic®** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- Impetro
- Intact™

 xtendimaxapplicationrequirements.com

- PinPoint Plus™
- Leeway™
- **Liberate®** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **Load UP™** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- Lockamba™
- **MSO® Concentrate with Leci-Tech®** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **Nu-Surf 80** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- OCULUS™
- **ORO-HSM SO** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- Perimeter™
- PinPoint Plus™
- Plexus®

- Pointblank® WM
- **PowerShot!**™ AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **PREFERENCE**® AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **PRO-TRON** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- Quintain™
- R-11®
- **Radiate**® AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **RAINIER-EA**™ AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **SEDATE**™ **MAX** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- SERENITY™
- **SmartLine**™ **Supr-Spred**™ AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- Smoke®
- **Strike Force**® AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **Star**™ AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **TACTIC**™ AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **TACTIC**™ AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **TACTIC**™ AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- Superb® HC
- **Syntact** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **TRAPLINE PRO**™ AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **VELOMAX** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **Veracity**™ **Elite** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **WaterMark**™ AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- **WETCIT** AND ONE OF THE REQUIRED DRAs SPECIFIED ABOVE
- Wheelhouse™ Pro
- Xpond™
- Zaar®

APPLICATION EQUIPMENT AND TECHNIQUES

DO NOT APPLY THIS PRODUCT TO ROUNDUP READY 2 XTEND® SOYBEANS USING AERIAL SPRAY EQUIPMENT.

Apply this product using properly maintained and calibrated equipment capable of delivering the desired volumes.

SPRAY DRIFT MANAGEMENT

Do not allow herbicide solution to mist, drip, drift or splash onto desirable vegetation because severe injury or destruction to desirable broadleaf plants could result. The following drift management requirements must be followed.

Controlling Droplet Size

Drift potential may be reduced by applying large droplets that provide sufficient coverage and control. Applying larger droplets can reduce drift potential, but will not prevent drift if the application is made improperly, or under unfavorable environmental conditions (see the “Wind Speed and Direction”, “Temperature and Humidity” and “Temperature Inversions” sections of this label).

- **Nozzle type.** Use only Tee Jet® TT11004 nozzle with a maximum operating pressure of 63 psi when applying XtendiMax™ With VaporGrip™ Technology or any other approved nozzle found at www.xtendimaxapplicationrequirements.com. Do not use any other nozzle and pressure combination not specifically listed on this website.
- **Hooded Sprayers.** Using a hooded sprayer in combination with approved nozzles may further reduce drift potential.

XtendiMax with VaporGrip™

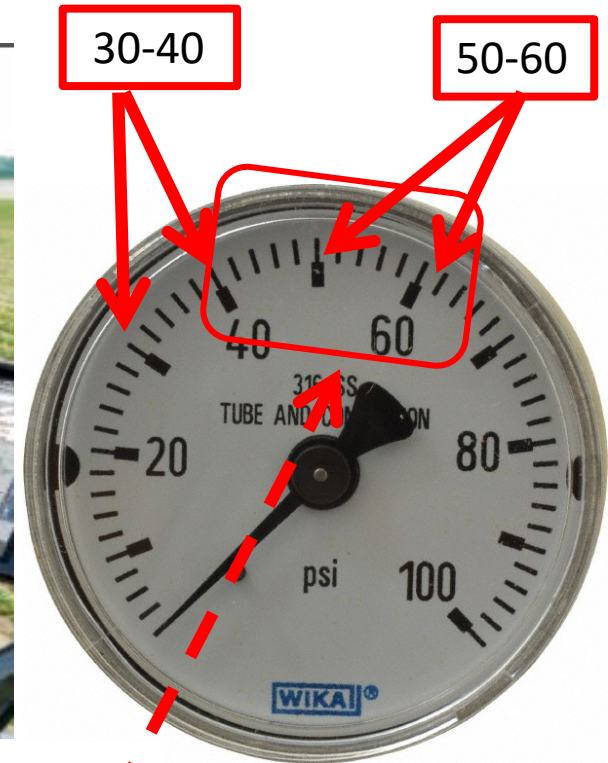
Nozzles

xtendimaxapplicationrequirements.com

		Operating Pressure (psi)									
Manufacturer	Nozzle Type	10	20	30	40	50	60	70	80	90	100
Greenleaf Technologies	TADF-D11003		Min 20		Max 40						
	TADF-D11006		Min 20			Max 50					
	TDXL-D11003		Min 20		Max 40						
	TDXL-D11004		Min 20			Max 50					
	TDXL-D11005		Min 20				Max 60				
	TDXL-D11006		Min 20				Max 60				
Hypro	ULD12004		Min 20		Max 40						
	ULD12005		Min 20		Max 40						
Lechler	ID11003			Min 30	Max 40						
	ID11004			Min 30	Max 40						
	ID11005			Min 30	Max 40						
	ID8004			Min 30	Max 40						
TeeJet® Technologies	AI11003			Min 30	Max 40						
	AI8003			Min 30	Max 40						
	AI8005			Min 30	Max 40						
	TTI11003		Min 20				Max 60				
	TTI11004		Min 20				Max 63				
	TTI11005		Min 20				Max 60				
	TTI11006		Min 20			Max 50					
Wilger	DR11010		Min 20		Max 40						

Are these pressures to low?

Pressure Gauge as your Speedometer

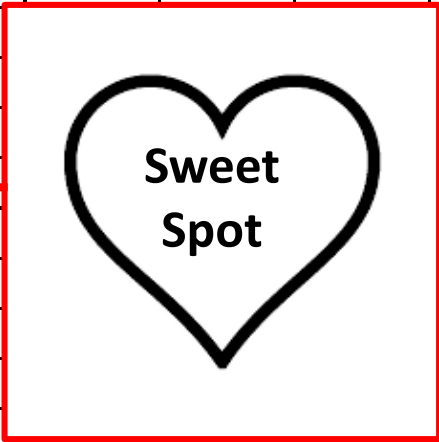


**Sweet
Spot**

Nozzles

xtendimaxapplicationrequirements.com

		Operating Pressure (psi)									
Manufacturer	Nozzle Type	10	20	30	40	50	60	70	80	90	100
Greenleaf Technologies	TADF-D11003		Min 20		Max 40						
	TADF-D11006		Min 20			Max 50					
	TDXL-D11003		Min 20		Max 40						
	TDXL-D11004		Min 20			Max 50					
	TDXL-D11005		Min 20				Max 60				
	TDXL-D11006		Min 20				Max 60				
Hypro	ULD12004		Min 20		Max 40						
	ULD12005		Min 20		Max 40						
Lechler	ID11003			Min 30	Max 40						
	ID11004			Min 30	Max 40						
	ID11005			Min 30	Max 40						
	ID8004			Min 30	Max 40						
TeeJet® Technologies	AI11003			Min 30	Max 40						
	AI8003			Min 30	Max 40						
	AI8005			Min 30	Max 40						
	TTI11003		Min 20				Max 60				
	TTI11004		Min 20				Max 63				
	TTI11005		Min 20				Max 60				
	TTI11006		Min 20			Max 50					
Wilger	DR11010		Min 20		Max 40						

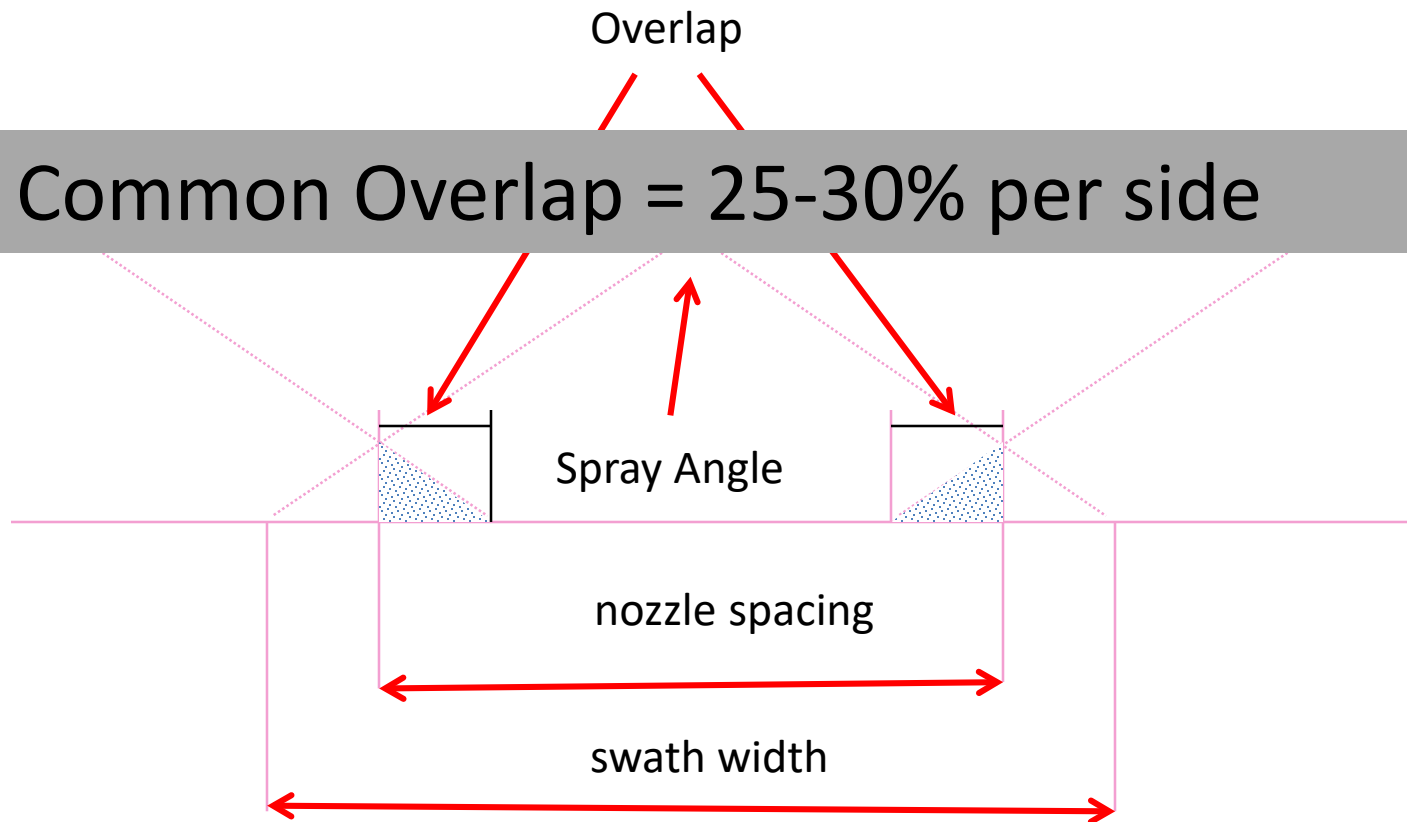


Tapered Edge Flat-fan

overlap % =

$(\text{Swath Width} - \text{Nozzle Spacing}) / \text{Nozzle Spacing}$

Common Overlap = 25-30% per side



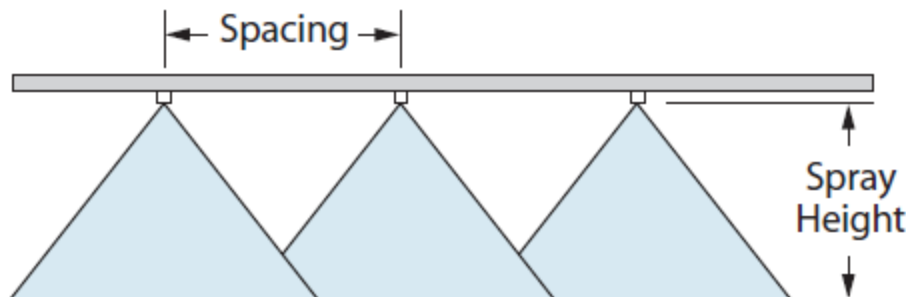
Maintain Proper Boom Height

angle - 1:1 ratio

Uniform

For 110°

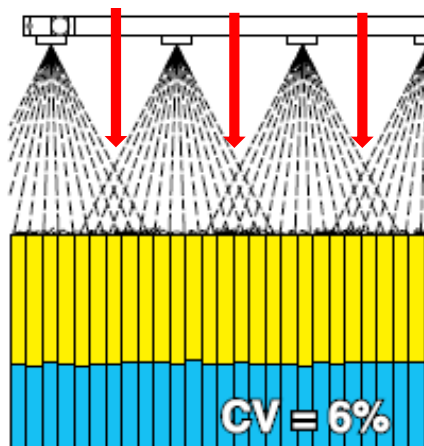
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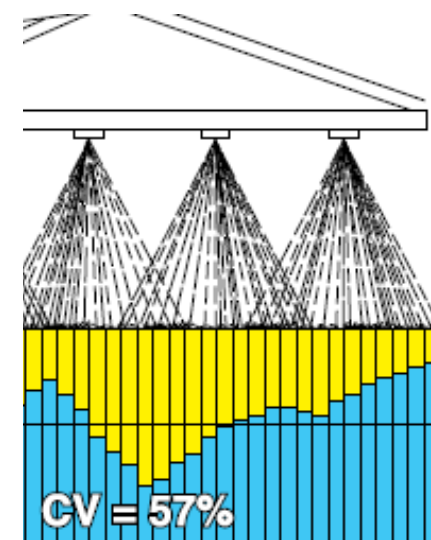
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)



Optimum Spray Height

80°	30"
110°	20"



NEW SPRAY TIPS

Produce a uniform distribution when properly overlapped.

WORN SPRAY TIPS

Have a higher output with more spray concentrated under each tip.

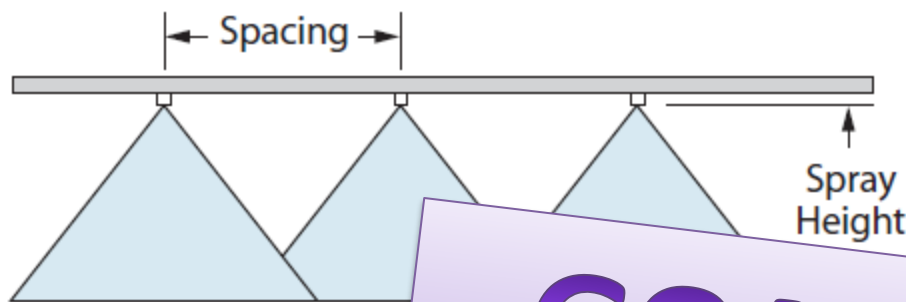
DAMAGED SPRAY TIPS

Have a very erratic output – overapplying and underapplying.

- **Spray Volume.** Apply this product in a minimum of 10 gallons of spray solution per acre. Use a higher spray volume when treating dense vegetation. Higher spray volumes may also allow the use of larger nozzle orifices (sizes) which produce coarser spray droplets.

- **Equipment Ground Speed.** Select a ground speed that will deliver the desired spray volume while maintaining the desired spray pressure, but do not exceed a ground speed of 15 miles per hour. Excessive ground speed will reduce spray coverage and deposition on the target.

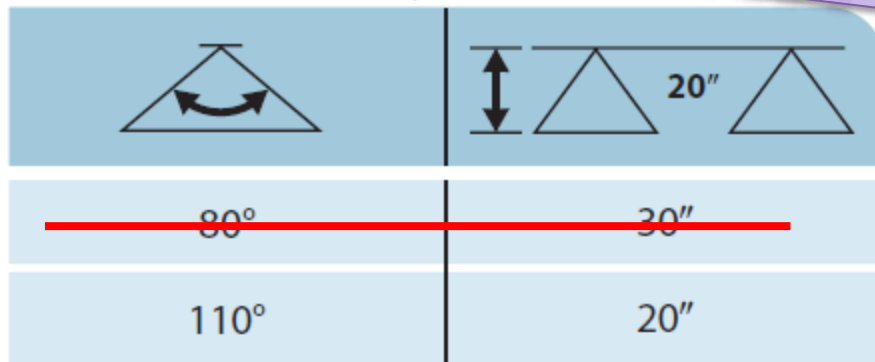
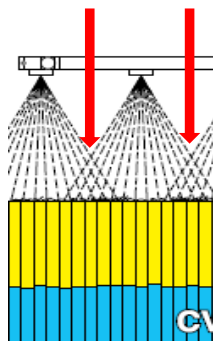
- **Spray boom Height and nozzle spacing.** Select boom height and nozzle spacing based on equipment type, crop canopy, and target pest. Recommended width of boom should be based on equipment type. Excessive boom height will result in poor spray coverage and deposition on the target.



on nozzle selection above target pest or crop canopy. Here are

GOAL: 24"

Optimum Spray Height

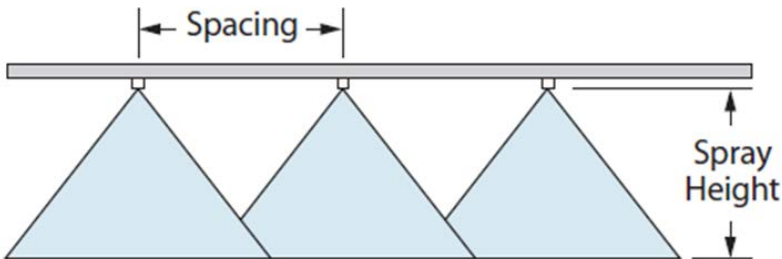


Lowering the BOOM on spray drift

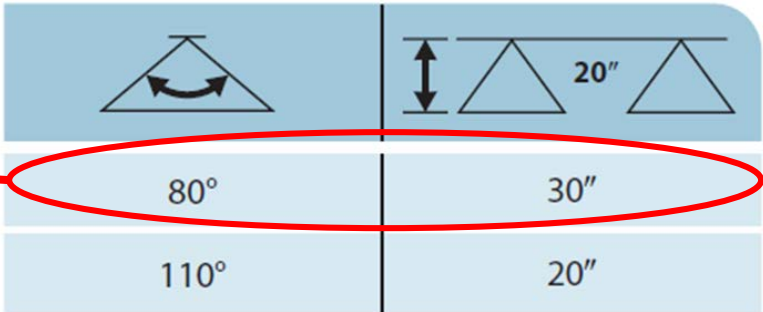
Nozzles

xtendimaxapplicationrequirements.com

		Operating Pressure (psi)									
Manufacturer	Nozzle Type	10	20	30	40	50	60	70	80	90	100
Greenleaf Technologies	TADF-D11003		Min 20		Max 40						
	TADF-D11006		Min 20								
	TDXL-D11003		Min 20								
	TDXL-D11004		Min 20								
	TDXL-D11005		Min 20								
	TDXL-D11006		Min 20								
Hypro	ULD12004		Min 20								
	ULD12005		Min 20								
Lechler	ID11003			Min 30							
	ID11004			Min 30							
	ID11005			Min 30							
	ID8004			Min 30							
TeeJet® Technologies	AI11003			Min 30							
	AI8003			Min 30							
	AI8005			Min 30							
	TTI11003		Min 20								
	TTI11004		Min 20								
	TTI11005		Min 20				Max 60				
	TTI11006		Min 20			Max 50					
Wilger	DR11010		Min 20		Max 40						



Optimum Spray Height



Spray System Cleanout



Additional Sources:



DON'T FORGET THE MIXING LOADING FACILITY!

- Can not contaminate groundwater!**
- based on label language with rinse/waste water

A red tractor is shown from a side-rear perspective, moving away from the viewer on a dirt road. It is pulling a long line of yellow nozzles that are spraying water onto the road surface, creating a large splash. The tractor has a large white tank on its back with a logo. The background shows a grassy field and a cloudy sky.

THIS CAN'T HAPPEN!!!