

Crop Protectants

Successful crop production often requires the use of crop protectants. Southern States offers a proprietary line of herbicides, adjuvants, surfactants, fungicides and application aids to help you achieve optimum yield and profit from your crops. Work with your GrowMaster Professional or Southern States dealer to help you select the best product to use. That way you'll feel more confident than ever about your investment this season.



Adjuvants, Surfactants

Adept™ SURFACTANT 1 gal./2.5 gal.

High quality 100% nonionic surfactant maximizes herbicide performance with improved spray deposition!

- ◆ Enhances wetting characteristics of fungicides, insecticides and acaricide applications
- ◆ Slower drying time increases leaf retention of spray solution
- ◆ Contains no flammable isopropyl alcohol

Crop Oil 83-17 CON. 1 gal./2.5 gal.

Enhances activity, penetration and coverage of a broad range of crop protectants!

- ◆ Use with herbicides (including Atrazine), insecticides, fungicides, fertilizers and micronutrients
- ◆ Provides uniform leaf coverage
- ◆ Contains anti-foam to suppress foam development in tank mixes

Half-Pynt™ NON-IONIC SURFACTANT

Provides excellent wetting and spreading at a half-pint rate! A biodegradable formulation of 80/20 surfactant

- ◆ Improves pesticide efficacy at half the rate
- ◆ Covers twice as many acres
- ◆ Contains excellent antifoam for even the toughest high foaming products

Sil-Spread SURFACTANT 1 gal.

100% nonionic surfactant, wetter/spreader, penetrant that maximizes rain-fastness!

- ◆ Stomatal flooding results in rainfastness in minutes
- ◆ Use in water-based crop protectant formulations
- ◆ May be used as a spray adjuvant for insecticides/miticides, herbicides, micronutrients, defoliant and fungicides

Affix® ADJUVANT 9 lb./45 lb. bag

Easy-to-use formulation of ammonium salts & polymers to enhance post-applied crop protectant performance!

- ◆ Improves performance in mix tank and quality of spray droplets for all Roundup formulations, Banvel, Clarity, Touchdown, Marksman, Glyphos and other crop protectants

Crop Oil Concentrate - S ADJUVANT-SURFACTANT 1.5 gal.

Soybean oil-based formulation performs same as crop oil concentrate at half the rate!

- ◆ Lower use rate provides less handling and decreased inventories
- ◆ Improves pesticide applications by modifying wetting and contact activity of the spray
- ◆ Excellent tank-mix partner with early season burn-down herbicides

Mission® ADJUVANT 2.5 gal.

This premium methylated soy oil spreads herbicide quickly and evenly!

- ◆ Dissolves the leaf cuticle for improved control of large leaves
- ◆ Most effective under high temperature, low humidity conditions
- ◆ Does not evaporate from plant surface
- ◆ Less viscous for easier mixing

SpraySaver™ ADJUVANT 1 qt.

Maximize your herbicide with this concentrated, low-use rate adjuvant!

- ◆ Increases average spray droplet size while decreasing droplet "bounce"
- ◆ Improves retention by 30%
- ◆ Gets weeds "hiding" under the crop canopy
- ◆ Low-use rate - 2 lbs. per 100 gals. of water

BufferZone® ADJUVANT 1 gal.

Adjusts pH to help promote mixing of crop protectant solution with high pH water!

- ◆ Allows full utilization of crop protectants by helping prevent alkaline hydrolysis in spray tank solution
- ◆ Increases wetting and spreading properties of spray solution

De-Fac® 820 SURFACTANT 1 gal.

Non-ionic, surfactant provides better wetting of plant surface for improved crop protectant performance!

- ◆ General purpose, can be used with most insecticides, fungicides, herbicides, acaricides, defoliant and desiccants to improve performance of active spray ingredient
- ◆ Gives active ingredient more uniform distribution

Reliable™ ADJUVANT 2.5 gal.

80/20 crop oil protectant enhances surface activity, and spreading qualities!

- ◆ Designed for use with post-emergent herbicides
- ◆ Maximizes herbicide performance, while protecting sensitive crop plant tissues from injury
- ◆ Built-in compatibility prevents adverse herbicide reactions in the spray tank

SS OnTarget® ADJUVANT 1 qt.

Liquid drift control for more targeted crop protectant application!

- ◆ Polyvinyl polymer controls particle size in spray to promote targeted application of crop protectant



Southern States Brand Crop Protectants



Management Tip

A healthy profit starts with healthy seed

Always read and follow all label and safety directions. Consult your GrowMaster® crop services dealer about approved usage of protectants on the type of crops and weeds you need to control.

Fungicides & Herbicides

Chloro Gold 720TM

FUNGICIDE
2.5 gal.

Top quality fungicide with maximum weatherability and disease control!

- ◆ Fully optimized to deliver effective disease control under all typical field conditions
- ◆ Stays in suspension for application without problems
- ◆ Low water solubility solution adheres to plants, including leaves and stems

Atrazine 4L

HERBICIDE
2.5 gal.

Controls grass and broadleaf weeds in corn & corn silage!

- ◆ Pre-and early post-emergent herbicide for most annual broadleaf weeds and many grasses such as annual morningglory, barnyard grass, green foxtail, crabgrass, pigweed, ragweed, nightshade, chickweed and purslane

MSMA 6 PLUS

HERBICIDE
2.5 gal.

A selective post-emergent herbicide attacks grassy weeds in cotton!

- ◆ Herbicide/surfactant combination
- ◆ Controls weeds, including barnyard grass, cocklebur, dallisgrass, johnsongrass, nutsedge, ragweed, puncturevine and sandbur
- ◆ Phytotoxic properties are quickly inactivated on contact with soil

Colorants

SS SureMark®

TURF
COLORANT
2.5 gal.

For turf use only! Blue spray indicator for marking pesticide and fertilizer applications!

- ◆ Lightly and temporarily colors treated surfaces
- ◆ Helps avoid duplicating or over-lapping applications
- ◆ Helps avoid missing areas and assures complete coverage of designated area
- ◆ Not approved or labeled for edible or food crop use

2,4-D Lo-V Ester

HERBICIDE
2.5 gal.

Use with liquid nitrogen fertilizer to control weeds in small grains, corn, sorghum, rice & sugarcane!

- ◆ Post-emergent herbicide controls weeds including annual morning-glory, chickweed, honeysuckle, cocklebur, dandelion, duckweed, pokeweed, pigweed, hairy vetch, ragweed, poison ivy and purslane

2,4-D Amine

HERBICIDE
2.5 gal.

Broad spectrum weed control in small grains, corn, sorghum, rice & sugarcane!

- ◆ Post-emergent herbicide controls many weeds, including annual morningglory, chickweed, poison ivy, cocklebur, dandelion, ragweed, duckweed, honey-suckle, pigweed, pokeweed, purslane and hairy vetch

Trifluralin

HERBICIDE
2.5 gal.

Controls grass and broadleaf weeds in cotton & soybeans!

- ◆ Controls grass weeds – annual bluegrass, crabgrass, foxtail, itchgrass, guineagrass, panicum, annual ryegrass, johnsongrass, shattercane and stinkgrass
- ◆ Controls broadleaf weeds – field bindweed, carpetweed, chickweed, henbit, pigweed, purslane, Russian thistle and stinging nettle

SS SureMark®

COLORANT
2.5 gal.
25 tabs

Blue spray indicator for marking pesticide and fertilizer applications!

- ◆ Lightly and temporarily colors treated surfaces to help avoid duplicating or over-lapping applications
- ◆ Made from food grade materials

Application Aids

SS ChemiClean®

TANK CLEANER
1 gal./ 32 oz

Liquid and dry tank cleaner!

- ◆ Use to remove sulfonylurea herbicides, 2,4-D and other chemicals
- ◆ Significantly reduces potential risk to sensitive vegetation from leftover chemicals in tanks, hoses, valves and nozzles
- ◆ Won't harm tanks, hoses or valves

SS FoamFree®

DEFOAMER
1qt./8oz.

Liquid and dry defoamer!

- ◆ Highly efficient silicone-based formulation
- ◆ Quickly and completely eliminates unwanted foam

SS FoamMax®

FOAMER
2 qt./30 gal. drum

Concentrated foam maker!

- ◆ 160:1 concentrate makes it more economical than many foamers
- ◆ Typically requires no water softeners
- ◆ Will not burn crops or turf