

SA SOUTHERN **50AG® LIQUID** **SOIL WETTING** **AGENT**

A Non-ionic liquid soil wetting agent which ensures uniform distribution and availability of moisture in the root zone, reduces evaporative water loss, and aids in water penetration. Prevents the problems of too little or too much water. It is non-toxic to plants and animals and biodegradable.

ACTIVE INGREDIENTS:

Alkyl Aryl Polyoxyethylene glycol ethers...	49.90%
Ethoxylated Fatty Acid Derivatives.....	49.90%
Silicone Antifoam concentrate.....	.20%
TOTAL:	100.00%

NOT A PLANT FOOD PRODUCT



CAUTION:

Keep Out of Reach of Children

May be harmful if swallowed. Avoid contact with eyes.

Flush eyes with large volumes of water. **DO NOT RUB.** Contact a physician.

Follow directions on side of label to open.

Southern Agricultural Insecticides, Inc.

Palmetto, FL 34220

Hendersonville, NC 28793

Boone NC 28607

J6

Net Contents Liquid: 1 Gallon (3.785 liters)

GENERAL INFORMATION

SA-50 Brand Soil Wetting Agent is recommended for use in the installation and maintenance of turf, ornamentals, trees, hanging baskets, bedding plants, planters and beds. It ensures uniform distribution and availability of moisture in the root zone. Used as directed a treatment lasts three to four months and is biodegradable and non-toxic to plants and animals.

BENEFITS FOR TURF

1. Aids water penetration into and through compacted and hydrophobic soils.
2. Helps water penetrate heavy thatch for more uniform soil wetting and improved distribution of fertilizer and pesticides.
3. Reduces water loss and erosion caused by run-off.
4. Moves available water deep in the root zone to promote healthy roots and reduce evaporative water loss.
5. Promotes fast water infiltration to keep puddles from forming.
6. Allows water penetration through layered soils to encourage vigorous roots.

BENEFITS FOR ORNAMENTALS and LANDSCAPES

1. Increases the speed of initial wetting and rewetting of soil and soilless mixes.
2. Reduces hand watering and irrigation frequency saving water and labor.
3. Improves the uniform movement of water into and through flats, containers and rootballs.
4. Decreases shrinkage, run-off and channeling, so more water gets to the root zone.
5. Improves leaching of harmful salts from plant containers.

DIRECTIONS FOR USE

SOIL APPLICATIONS

Site	Application	Rate	Directions
Bedding Plants Propagating	Media Treatment	9 oz./cu. yd.	Dilute with 27 gals. of water. <u>Moisten media and mix thoroughly.</u>
Cuttings, Containers, Ornamental & Foliage Plants	Plants in Production	2000 ppm (26 oz./100 gal. of <u>water.</u>)	Drench initially and use maintenance rate thereafter.
	Plant Maintenance	10 - 15 ppm daily or 100 ppm weekly -or- 1500 ppm (20 oz./100 gal. <u>of water</u>)	Apply with liquid feed program Drench thoroughly every 10-12 weeks
	Shipping	20 oz. 100 gals. of <u>water</u>	Drench thoroughly before shipping
B & B Stock Plants	Holding & Shipping	32 oz./100 gal. <u>of water</u>	Drench thoroughly. (For injection systems, use 2500 ppm.)
Lawns Fairways	Initial	2 1/2 gal./acre or <u>8 oz./1000 sq. ft.</u>	Apply as a thorough cover spray.
Sports Fields	Maintenance	2 1/2 gal./acre or <u>8 oz./1000 sa. ft.</u>	Apply at 3-4 month intervals or <u>apply 2 oz./1000 sq. ft. monthly.</u>
	Problem areas	8 oz./1000 sq. ft.	Apply weekly until problem is <u>alleviated</u>
Greens, Tees	Initial	16 oz./1000 sq. ft.	Apply as a thorough cover spray 2 - 8 oz. applications 1 week <u>apart may be used.</u>
	Maintenance	8 oz./1000 sq. ft.	Apply monthly or use 2 oz./1000 <u>sq. ft. weekly</u>
	Problem areas	8 oz./1000 sq. ft.	Apply weekly until problem is <u>alleviated.</u>
Hydroseeding		32 oz./500 gals. of water in hydroseeding <u>solution</u>	Use during hydroseeding to improve establishment of seeds and to reduce erosion.

Soil Applications continued

Site	Application	Rate	Directions
Landscape installation and Maintenance - Trees & Beds	New Planting -Trees	32 oz./100 gal. of water	Drench with 3 gals. of solution per foot diameter of hole.
	New Planting - Beds	8 oz./5 gals. water/1000 sq. ft. or 2 1/2 gals. in 50 gals. water/acre	Water in thoroughly immediately after application.
	Maintenance	8 oz./5 gals. of water/1000 sq. ft.	Water in thoroughly immediately after application.

1. For any over-the-top application for soil, it is strongly recommended to follow application with sufficient irrigation to remove product from the foliage and into the soil. This will prevent discoloration or possible phytotoxicity.

2. To prevent discoloration of turf during stress conditions, use the spreadable granular formulation.

3. Use 1/2 rate for mixes used for seed germination and plug mixes. SA-50 spreadable Granular Soil Wetting Agent may be substituted for SA-50 Liquid Soil Wetting Agent when mixing media.

4. May be injected in combination with fertilizer or pesticide programs.

DIRECTIONS FOR USE FOLIAR APPLICATIONS

Site	Application	Rate	Directions
Turf	Dew & frost control	2 oz./3-4 gals. of water/1000 sq. ft.	Apply using a thorough cover spray. As treated blades are mowed, control will decrease. Reapply as needed.
Turf	As adjuvant to spray applications	2-8 oz/100 gals of water	Apply as needed with pesticide spray for thorough wetting of foliage.
Woody Ornamentals	As adjuvant to spray applications	2-8 oz/100 gals of water	Apply as needed with pesticide spray for thorough wetting of foliage.
Annuals Perennials	As adjuvant to spray applications	2 -4 oz/100 gals of water	Apply as needed with pesticide spray for thorough wetting of foliage.

NON-WARRANTY: Seller makes no warranty, expressed or implied as to the use of this material. Buyer assumes all risk and liability for results obtained by use or handling of this material whether or not in accordance with the directions or claimed so to be.