

oasis® SOAX®

ADVANCED LIQUID
WETTING AGENT

OASIS® SOAX® Advanced Liquid Wetting Agent is a proprietary blend of non-ionic surfactants that provides longevity and accelerates uniform wetting of growing media mixes that may be stored for several months. Ideal for incorporation during mixing, OASIS® SOAX® Advanced Liquid optimizes irrigation efficiency and improves quality and shelf life of container-grown crops.



Instructions for Use of OASIS® SOAX® Advanced Liquid Wetting Agent

Formulated for extended surfactant longevity, OASIS® SOAX® Advanced Liquid Wetting Agent can be incorporated during mixing to optimize initial wetting and rewetting of growing media for immediate use or prolonged storage. This proprietary liquid surfactant blend can also be used as a one-time drench application after container filling, during production or prior to shipping.

OASIS® SOAX® Advanced Liquid Wetting Agent is compatible with liquid fertilizers and injector systems and can be used for ongoing crop maintenance through standard continuous feeding or weekly maintenance programs. This plant-friendly, premium liquid surfactant's non-ionic chemistry eliminates concerns about toxicity, even with young plants.

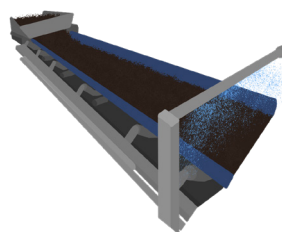
Incorporation Instructions and Rates

OASIS® SOAX® Advanced Liquid Wetting Agent can be incorporated into growing media prior to filling containers by spraying and mixing using automated mix lines, cement or concrete mixers, or skid or pad mixing. Incorporated into growing media in this manner, this liquid surfactant helps accelerate the initial wetting and rewetting of new mixes. This includes difficult-to-wet mixes and media with prolonged storage or longevity requirements.

**Cement mixer for
small-scale mixing**



**Automated
conveyor mix line**



For incorporation into growing media, mix OASIS® SOAX® Advanced Liquid Wetting Agent with water prior to application. To maximize solubility, mix in cool water (60°F, 15°C - 72°F, 22°C, not to exceed 90°F, 32°C). Incorporation of wetting agents into substrates prior to filling containers is an efficient method that may minimize the need or frequency of drenching filled containers in production.

To obtain optimal distribution of the wetting agent, increase the moisture content of the mix by applying water before, during or immediately after incorporation of the wetting agent. Increasing water volume during this process promotes activation of the surfactant to optimize penetration and distribution.



- ✓ **Mix in cool water
(60°F - 72°F).
Stir until wetting agent
is fully dissolved.**

Incorporation Rates

Spray uniformly onto growing media and blend to incorporate. For applications onto automated mixing lines, determine the injector output, and adjust flow rate and belt speed accordingly.

Longevity Requirements	Media Type	Incorporation Rate*	
		Fluid ounces in 2 gallons of water per cubic yard	Milliliters in 10 liters of water per 1,000 liters of media
Maximum longevity for long production cycles (> 6 mos.)	Nursery Containers	5.2 fl oz	200 mL
Medium longevity for medium production cycles (3 to 6 mos.)	Bedding Plants and Greenhouse	3.2 fl oz	125 mL
Short-term longevity for short production cycles (< 3 mos.)	Seedling and Propagation	1.8 fl oz	75 mL

* 2 gallons (7.6 liters) is the minimum recommended volume of water. Increasing water volume during incorporation will promote wetting agent activation. It should be noted that increased water volumes will increase the dilution rate, and injection ratios must be adjusted accordingly.

Note: Injection directly from the container as a concentrate may be possible. Talk with your technical sales representative for more information.

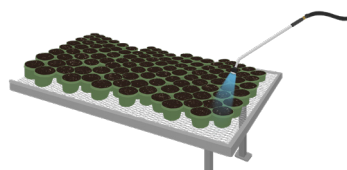
Wetting agents are viscous in nature. It can be challenging to measure the volume precisely because of their tendency to stick to containers and flow slowly. Measuring by weight may be easier and more accurate. To convert SOAX® Advanced Liquid Wetting Agent volume measurements to weight, multiply volume by 1.04 (the specific gravity of SOAX® Advanced Liquid Wetting Agent).

Drench Instructions and Rates

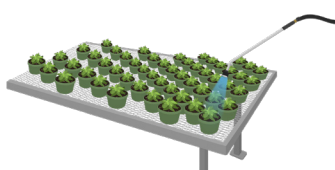
OASIS® SOAX® Advanced Liquid Wetting Agent can be used as a one-time drench application after container filling, during production or prior to shipping. Used in this manner, this proprietary surfactant blend helps maintain substrate moisture, optimize moisture distribution and penetration, prevent water repellency, reduce channeling and improve rewetting capabilities.

Pre-shipping treatments with OASIS® SOAX® Advanced Liquid Wetting Agent help maintain plant quality through transport, improving product shelf life and sell-through in challenging retail environments.

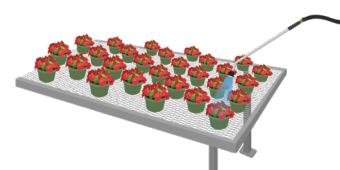
For post-filling, production or pre-shipping drenches, mix OASIS® SOAX® Advanced Liquid Wetting Agent with water prior to application. To maximize solubility, mix in cool water (60°F, 15°C - 72°F, 22°C, not to exceed 90°F, 32°C). Then drench the mixture into the growing media.



Post-filling drench application



Drenching during production



Pre-shipping drench application

Drench Rates

Use as a one-time application after filling, during production or before shipping.

Longevity Requirements	Media Type	Concentration	Drench Rate*	
			Fluid ounces per 100 gal of water**	Liters per 1,000 liters of water**
Maximum longevity for long production cycles (> 6 mos.)	Nursery Containers	1,500 ppm	19.2 fl oz	1.5 L
Medium longevity for medium production cycles (3 to 6 mos.)	Bedding Plants and Greenhouse	1,000 ppm	12.8 fl oz	1.0 L
Short-term longevity for short production cycles (< 3 mos.)	Seedling and Propagation	500 ppm	6.4 fl oz	0.5 L
Pre-shipping	Trays, Containers and Hanging Baskets	500 ppm	6.4 fl oz	0.5 L

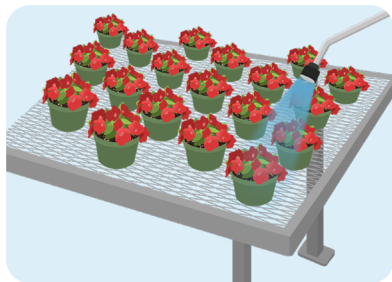
* Increasing water volume during drenching will promote wetting agent activation.

** This is the final use solution. When using a 1:100 injector, predilute the concentrate in 1 gallon or 10 liters of water to make your stock solution. Any standard injector that is used in the greenhouse can be used for this application.

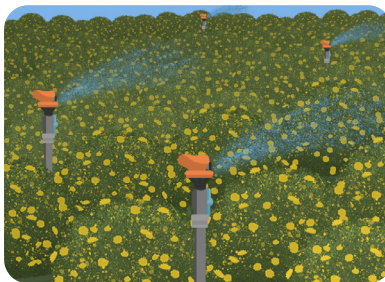
Note: Wetting agents are viscous in nature. It can be challenging to measure the volume precisely because of their tendency to stick to containers and flow slowly. Measuring by weight may be easier and more accurate. To convert SOAX® Advanced Liquid Wetting Agent volume measurements to weight, multiply volume by 1.04 (the specific gravity of SOAX® Advanced Liquid Wetting Agent).

Crop Maintenance Instructions and Rates

OASIS® SOAX® Advanced Liquid Wetting Agent is compatible with liquid fertilizers and can be applied simultaneously with liquid fertilizers, with or without an injector system. The plant-friendly, non-ionic chemistry of this proprietary liquid surfactant blend eliminates surfactant toxicity concerns, even with young plants.



Crop maintenance via overhead watering



Sprinkler system maintenance application



Maintenance application via drip irrigation

Crop Maintenance Rates

Use for ongoing programs for growing media with wetting agent.

Application Frequency	Concentration	Maintenance Rate*	
		Fluid ounces per 100 gallons of water**	Liters per 1,000 liters of water**
Constant Feed Program	10 ppm	0.12 fl oz	10 mL
Weekly Maintenance Program	100 ppm	1.3 fl oz	100 mL

* Increasing water volume during maintenance applications will promote wetting agent activation.

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Note: Wetting agents are viscous in nature. It can be challenging to measure the volume precisely because of their tendency to stick to containers and flow slowly. Measuring by weight may be easier and more accurate. To convert SOAX® Advanced Liquid Wetting Agent volume measurements to weight, multiply volume by 1.04 (the specific gravity of SOAX® Advanced Liquid Wetting Agent).

OASIS® SOAX® Wetting Agents are available in liquid, granular and advanced formulations designed to target various applications and longevity requirements. Please refer to OASIS® SOAX® Product Overview documents for more information on the benefits and uses of these premium surfactants.



Storage and Handling

Store in original container in a cool, dry location out of direct sunlight, above freezing temperatures (32°F, 0°C). Flash Point (>212°F, >100°C). Stored properly, product shelf life is 2 years from manufacture date.



Food Safety

Used as recommended, this product is safe for use with food crops.



Disposal

For opened and/or unused product, please check with your local waste disposal facility for appropriate disposal options.

Questions

Consult with an Oasis Grower Solutions Technical Representative at support@oasisgrower.com or by phone at +1 (855) 585-4769.