

Easy-Wet™ 20

Multipurpose wetting agent for turf and ornamental applications

Benchmark surface coverage

Easy-Wet 20 wetting agent is a breakthrough product for improving the surface coverage of aqueous agrochemical formulations. Formulated from nonfood-use inerts approved by the U.S. Environmental Protection Agency, Easy-Wet 20 wetting agent reduces the surface tension and contact angle of common agrochemical formulations more efficiently than other commercial products, providing best-in-class wetting and spreading performance. Featuring high tolerance to salt, good pH stability, no phenolics and minimal impact on the environment, Easy-Wet 20 wetting agent may be used with confidence in virtually any aqueous nonfood agrochemical formulation. It can also be used as an additive in solid formulations such as wettable powders, water-dispersible granules, and tablet products to provide improved wetting and surface coverage. Because it offers superior surface wetting, it can also provide reduced energy consumption in the grinding process in preparing the solid charge in the granulation process.

Lower surface tension with less surfactant

Unlike other technologies, Easy-Wet 20 wetting agent significantly reduces equilibrium surface tension at very low use levels. With a dilution up to 0.02%, this proprietary wetting agent formula can reduce surface tension from 50 dynes/cm (from comparable surfactants) to less than 30 dynes/cm. Comparative technologies can only achieve this at a much lower dilution rate of 0.10%. The higher surfactant efficiency afforded by Easy-Wet 20 wetting agent provides greater formulation compatibility within the tank mix. Good compatibility with silicone spreaders, for example, will help to further boost cuticular penetration.



Benefits

- Excellent wetting and spreading
- Ultra-low use level
- Used as tank mix adjuvant or as coformulant
- Clear, stable water-based formulation
- Good stability over a wide range of pH
- Fast acting
- Eco-friendly

ASHLAND®

With good chemistry great things happen.™

Easy-Wet™ 20

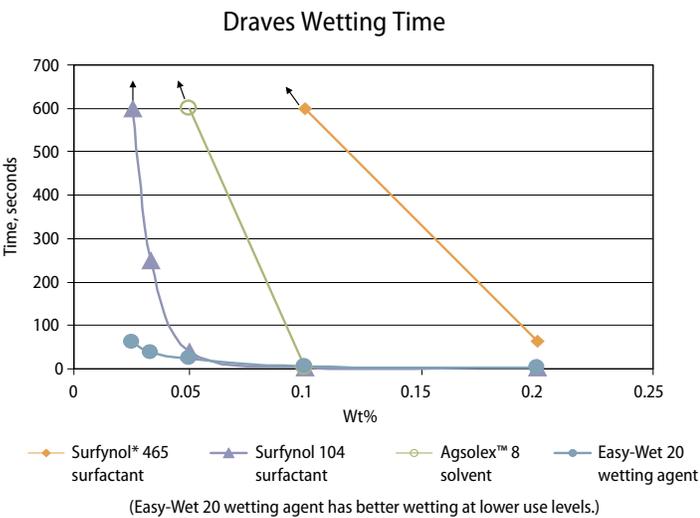
Multipurpose wetting and spreading agent

Universal application

A premium wetting agent and spreader technology, Easy-Wet 20 wetting agent is ideal in agricultural sprays, water-dispersible granules (WDG) and suspension concentrates. Easy-Wet 20 wetting agent may be used in virtually any nonfood agrochemical product around the world, given its minimal impact on the environment, biodegradable profile, and compliance with the EPA's Contaminant Candidate List 3 (CCL3).

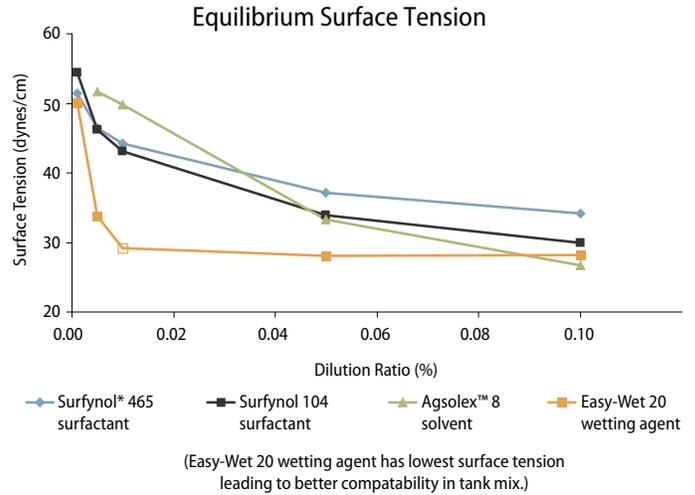
Wetting performance

At low doses, Easy-Wet 20 wetting agent delivers outstanding results compared with other products in the market. Under Draves Wetting testing, other products require higher use levels to match the performance of Easy-Wet 20.



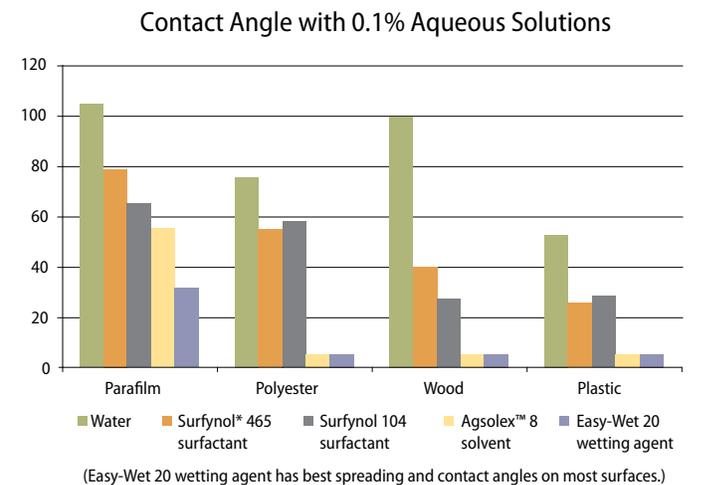
Surface tension

Lower surface tension improves ingredient compatibility in the tank mix. A low dose of Easy-Wet 20 wetting agent significantly lowers surface tension.



Spreading performance on various surfaces

In testing on contact angles, Easy-Wet 20 demonstrated far better performance across a range of surfaces than other products at the same 0.1% aqueous solution. This demonstrates consistent high performance in various applications.





Recommended dose and use

- Tank mix additive: 0.05 - 0.1%
- Soluble liquid formulation (SL) concentrate: 1- 5%
- EW formulations: 1- 2.5%
- Liquid foliar fertilizer concentrate: 1- 5%
- SC wetting agent: 0.5 - 1%
- Soil and polymer wetting in soil conditioning: 0.05 - 0.5%

Easy-Wet 20 wetting agent: suggested applications

- 1) As tank-mix adjuvant in herbicides for difficult leaves, weeds and grasses.

Especially recommended for sulphonyl urea herbicides where it is not possible to add sufficient wetter in formulation.

Use rate: 0.05 to 0.1% of tank mix volume

- 2) In soluble liquid formulations (SL) such as glyphosate, gramoxone, gluphosinate and so on.

Use rate: 1 to 5 % of the formulations

- 3) In EW formulations such as systemic fungicides (triazoles).

Use rate: 1 to 2.5 %

- 4) In liquid foliar fertilizer formulations to improve nutrient uptake rate.

Use rate: 1 to 5 % of formulations

- 5) Additive in animal pour ons to improve wetting and penetration.

- 6) As a wetting agent in SC to lower grinding time/energy.

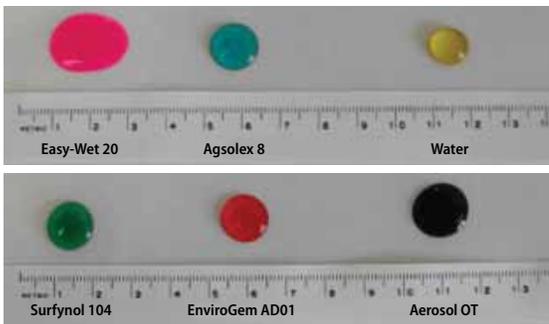
Use rate: 0.5 to 1 %

- 7) As a soil and polymer wetting.

Use rate: 0.05 to 0.5%

With excellent wetting and spreading properties at low concentrations, Easy-Wet 20 wetting agent offers the added benefit of fast-acting agrochemical formulations. This surfactant is the technology of choice for many agrochemical formulators because of its high in-use value and formulation benefits not available from less efficient surfactants.

Easy-Wet™ 20 wetting agent spreading (0.05% w/w)



(Volume 0.2 ml, Substrate: Parafilm M Dyex do not effect results)

Applications

Aqueous forms of herbicides, pesticides, fungicides, fertilizers and specialty formulations, and in grinding operations in processing granulation.

Physical form:	Clear liquid solution
pH (1/10 dilution):	4.0 - 6.0
Specific gravity:	0.92 - 0.95
Viscosity:	15 - 30
Flash point (°F):	>288
Freezing point (°F):	41
Vapor pressure (100°F):	<0.1 mm Hg
Solubility:	Soluble in water
Solids as supplied:	

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