

easy-wet™ 20

multipurpose wetting
agent for turf and
ornamental applications



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benchmark surface coverage

Easy-Wet™ 20 is a breakthrough wetting agent for improving the surface coverage of aqueous agrochemical formulations. Formulated from EPA approved nonfood use inerts, Easy-Wet™ 20 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 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 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 higher use rate of 0.10%. The higher surfactant efficiency afforded by Easy-Wet™ 20 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

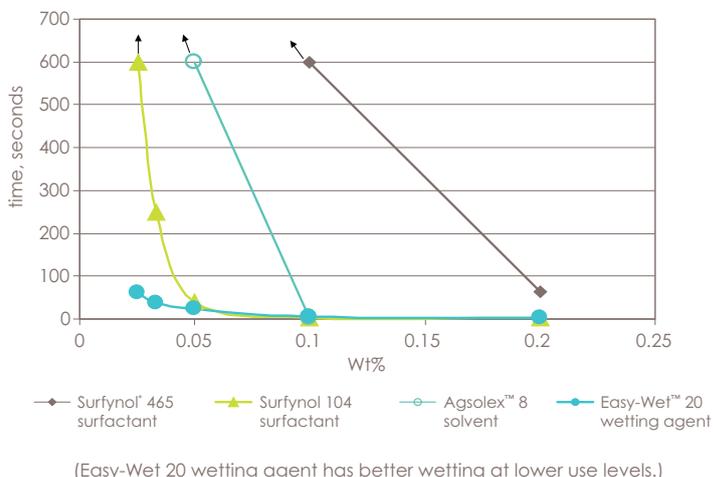
universal application

A premium wetting agent and spreader technology, Easy-Wet™ 20 is ideal in agricultural sprays, water-dispersible granules (WDG) and suspension concentrates. Easy-Wet™ 20 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 delivers outstanding results compared with other products in the market. In Drave's Wetting test, other products require higher use levels to match the performance of Easy-Wet™ 20.

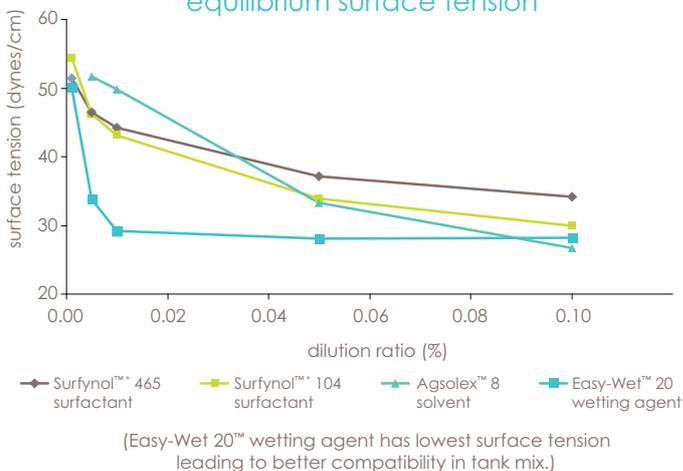
draves wetting time



surface tension

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

equilibrium surface tension

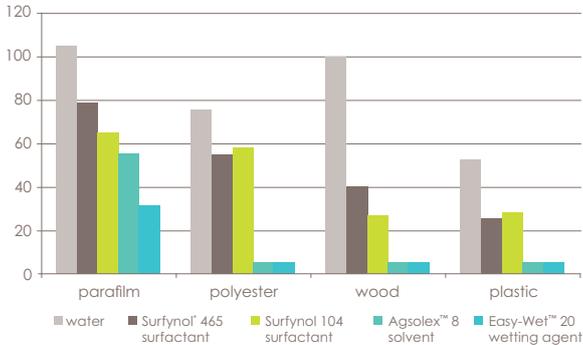


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spreading performance on various surfaces

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.

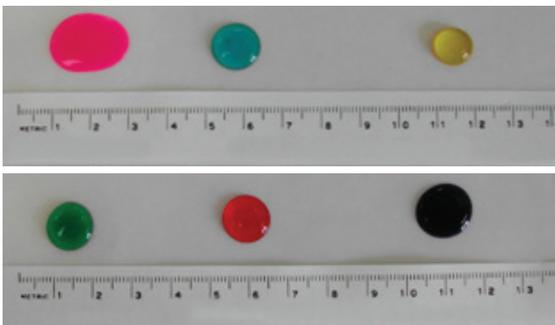
contact angle with 0.1% aqueous solutions



(Easy-Wet 20™ wetting agent has best spreading and contact angles on most surfaces.)

With excellent wetting and spreading properties at low concentrations, Easy-Wet™ 20 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 Spreading (0.05% w/w)



(Volume: 0.2 ml; Substrate: Parafilm M; Dyes do not affect 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):	<0.1mm Hg
Solubility:	Soluble in water

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: suggested applications

1. As tank mix adjuvant in herbicides for difficult leaves, weeds & 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%

regional centers

North America

Bridgewater, NJ USA
Tel: +1 800 505 8984

Europe

Switzerland
Tel: +41 52 560 5500

Middle East, Africa

Turkey
Tel: +90 216 538 08 00

China

Shanghai
Tel: +008621-60906606

India

Mumbai
Tel: +91 22 61484646

Asia Pacific

Singapore
Tel: +65 6775 5366

Latin America

Sao Paulo, Brazil
Tel: + 5511 3649 0455

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