

Morwet D-400

Excellent performance with less cost



Morwet® D-400 is a result of AkzoNobel's continuous customer focused work to improve economy for formulators and farmers while maintaining high-efficiency weed and pest control. For decades, Morwet D-425 has been the industry standard naphthalene sulfonate condensate for versatility and robustness.

Less robust alternatives can be used in standard formulations and Morwet D-400 fulfils these requirements with excellent and reliable performance at reduced cost.

What is Morwet D-400 Dispersant?

An alkyl naphthalene sulfonate sodium salt condensate (NSC) that is closely related to Morwet D-425.

- A dispersant designed to perform in standard systems under normal conditions
- EPA 40 CFR 180.920 status and same CAS number as Morwet D-425

Why use Morwet D-400 Dispersant?

- Developed to formulate dry and liquid products for highly efficient CP formulations
- Effective with herbicide, fungicide and insecticide applications
- Provides excellent storage properties to WG
- D-400 replaces and outperforms competitor dispersant products at the same use level
- Low cost alternative

Morwet D-400 is an excellent choice for standard WDG and will perform equally as Morwet D-425.

In contrast to many other NSC products on the market, Morwet D-400 ensures good properties of your formulation after storage. For more complex formulations, Morwet D-425 is a safe choice.

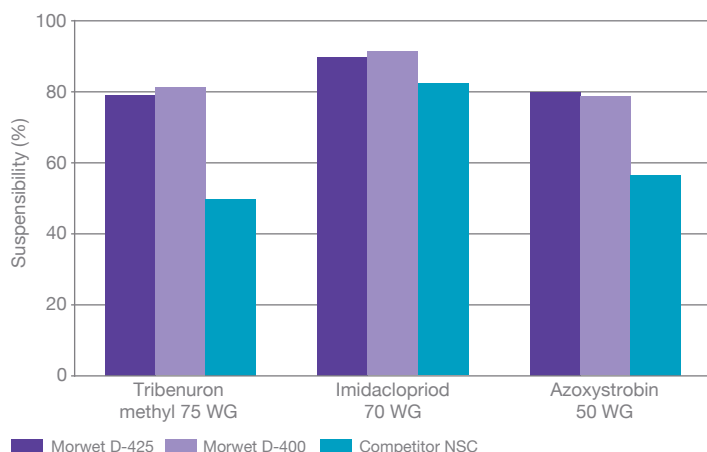
Morwet products provide superior performance at low concentrations.



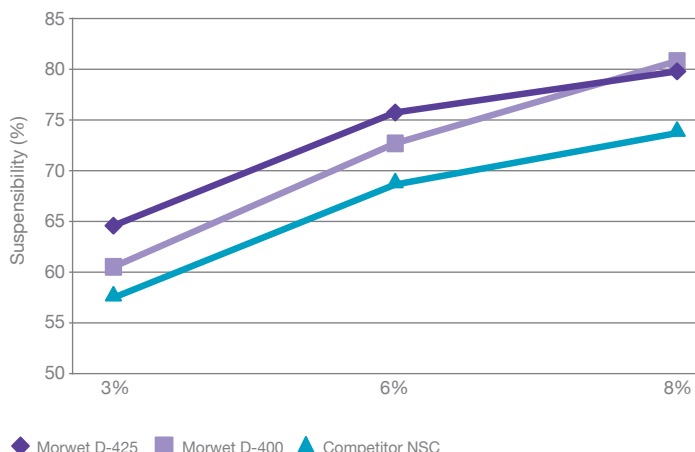
Typical Physical Properties

Property	Value
Appearance	Tan powder
pH (5% in water)	7.5-10
Flash point (PMCC)	>200 °F
Moisture	3% max
Activity	> 72.5%

Suspensibility after storage, 2 weeks 54 °C



Influence of dispersant conc in an Imidacloprid 70 WG formation



Formulation Guide

Tribenuron Methyl 75 WG

Ingredient	Function	Concentration
Tribenuron methyl (95%)	Herbicide	79%
Morwet D-400	Dispersant	8%
Berol 790A	Wetting agent	2%
Light Calcium Carbonate	Filler	q.s.

Imidacloprid 70 WG

Ingredient	Function	Concentration
Imidacloprid (96%)	Insecticide	73%
Morwet D-400	Dispersant	3%
Morwet EFW	Wetting agent	3%
Agrilan 700	Co-Dispersant	2%
Ultrazine NA	Binder	7%
Corn starch	Filler	q.s.

Tebuconazole 250 g/L SC

Ingredient	Function	Concentration
Tebuconazole (97%)	Fungicide	25%
Morwet D-400	Dispersant	2.5%
Siloxane oil	Antifoam	0.2%
Xanthan gum	Rheology modifier	0.35%
Propylene glycol	Antifreeze	5%
Water	Filler	q.s.

Azoxystrobin 250 g/L SC

Ingredient	Function	Concentration
Azoxystrobin (96%)	Fungicide	25%
Morwet D-400	Dispersant	2.5%
Ethylan NS-500 LQ	Wetting/Co-dispersant	1%
Siloxane oil	Antifoam	0.2%
Xanthan gum	Rheology modifier	0.35%
Propylene glycol	Antifreeze	5%
Water	Filler	q.s.



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AkzoNobel creates everyday essentials to make people's lives more liveable and inspiring. As a leading global paints and coatings company and a major producer of specialty chemicals, we supply essential ingredients, essential protection and essential color to industries and consumers worldwide. Backed by a pioneering heritage, our innovative products and sustainable technologies are designed to meet the growing demands of our fast-changing planet, while making life easier. Headquartered in Amsterdam, the Netherlands, we have approximately 45,000 people in around 80 countries, while our portfolio includes well-known brands such as Dulux, Sikkens, International, Interpon and Eka. Consistently ranked as a leader in sustainability, we are dedicated to energizing cities and communities while creating a protected, colorful world where life is improved by what we do.

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