



HYDRATE PLUS

- **For Herbicides, Pesticides, and Fungicides**
- **Non-Ionic**
- **Non-Corrosive**
- **Safe to use**
- **Designed for all Industries**
- **Super Concentrated**



HYDRATE PLUS is a wetting agent that reduces the surface tension of water. HYDRATE PLUS changes the molecular composition of water, thus loosening water's natural tendency to bead. This enables the surfactant to penetrate the task at hand.

Surface tension is a basic characteristic of liquids. When describing the surface tension of water, it is referred to as "dynes per centimeter." Water has a surface tension of 72 dynes per centimeter. HYDRATE PLUS will disrupt the molecular bond of water, drastically lowering the dynes/cm, thus forcing the bead of water to break down, sheet and penetrate. The same holds true when HYDRATE PLUS is mixed with other liquids . . . herbicides, fertilizers, pesticides, etc. HYDRATE PLUS allows chemicals such as herbicides and pesticides to absorb into the intended destination quickly with minimal beading and "roll off" with virtually no evaporation.

HYDRATE PLUS - For Herbicides, Insecticides and Fungicides

HYDRATE PLUS provides a tremendous advantage to the Agricultural and Farming Industry. Applicators face certain problems such as beading, run off and evaporation. All of these factors mean that the chemical is not able to effectively do its job. Certain plants have waxy leaves thus complicating the chemical mixtures ability to penetrate. Many insecticides are contact killers with little or no residual so direct exposure is a must. HYDRATE PLUS will break the bead of tension for uniform application and quick penetration. It will stay on plants even with the waxiest of leaves. Most pesticides are water resistant. HYDRATE PLUS allows pesticides and water to mix thoroughly while suspending the chemical in water. No separation means a good mix is being applied. This means your most effective and efficient application occurs when you are using HYDRATE PLUS. *Please follow manufacturers' recommended mix ratios when mixing chemicals.

HYDRATE PLUS - Non-Ionic

HYDRATE PLUS is not affected by the chemical bond between two oppositely charged ions. In other words, chemicals such as pesticides will not break down by positively charged or negatively charged atoms. A positive or negative charge can change the properties of certain chemicals, thus your application is ineffective. HYDRATE PLUS offers a neutral mixture that ensures you the chemicals and water are able to work in tandem to provide a uniform application.

HYDRATE PLUS - Non-Corrosive

HYDRATE PLUS is non-corrosive. This surfactant will not harm or wear equipment. HYDRATE PLUS will actually benefit spray equipment by reducing salt and mineral deposits on spray nozzles. HYDRATE PLUS will aid in the cleaning of nozzles and spray heads every time it is used.

No special storage is required. This means no special storage and holding tanks are necessary. Also transport need not be a concern because its non-corrosive properties allow this product to be as mobile as necessary.

HYDRATE PLUS - Safe to use

HYDRATE PLUS is safe for the application and the applicator. HYDRATE PLUS has a pH level of 9 - 11.5. Any application safe for the use of water is safe for HYDRATE PLUS. One key factor is the safety of the applicator. No special safety equipment is required, but safety measures should be taken when mixed with chemicals.

The product is designed for deciduous trees, edible crops and other vegetation and grasses. It is a biodegradable product that is non-toxic and earth friendly.

HYDRATE PLUS - Designed for all Industries

Farming and agriculture both benefit from HYDRATE PLUS by allowing chemicals and water to work better on crops and trees.

Firefighters will capture fires more effectively by penetrating the fire quickly thus extinguishing the flames. Much less smoke and toxic gases will be experienced as a result.

Water puddles can be dispersed to allow absorption of water on golf fairways, walkways and roads. Ranchers will benefit when washing and spraying livestock. When mixed with water, HYDRATE PLUS will penetrate the coarse hairs on animals for cleaning and cooling the animals on hot days.

HYDRATE PLUS is a superior wetting agent that serves many functions such as a penetrant, a dispersant and a rinse aid. It is designed for maximum effect. A little HYDRATE PLUS in the rinse of a car wash allows for quick sheeting of the water to help drying time and reduce water spotting.

HYDRATE PLUS - Super Concentrated

HYDRATE PLUS is a highly concentrated surfactant that greatly reduces the quantity of chemical needed for application. This means less usage of HYDRATE PLUS compared to crop oils while achieving better results.

When mixing with other products, HYDRATE PLUS should be the last ingredient to be added to the final solution.

Average recommendations for mixing - * mixing ratio may vary depending on product or products mixed*

	100 gallons final mixture	Ratio
Fertilizing	½ - 2 pints	1:1600 to 1:400
Road Compaction	1 - 2 pints	1:800 to 1:400
Other Products	1 - 3 pints	1:800 to 1:270
Fire Fighting	½ - 2 pints	1:1600 to 1:400

SPECIFICATIONS

HYDRATE PLUS

Product Code # 1200

SPECIFIC GRAVITY	(H ₂ O=1):1.01
pH (Typical)	(conc.): 9 - 11.5
Biodegradable	Yes
Color and Odor	Clear, Blue Liquid - No Odor

Handling Information: For safe handling of the product, read the Safety Data Sheet (SDS).

Please Protect HYDRATE PLUS from Freezing.

WA Reg. #99799-14002

The ingredients of HYDRATE PLUS are generally regarded as safe; complying with CFR, Title 21, Part 178-3400 as well as Part 182.99 and CFR, Title 40, Part 180.100(c) and (e).

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