

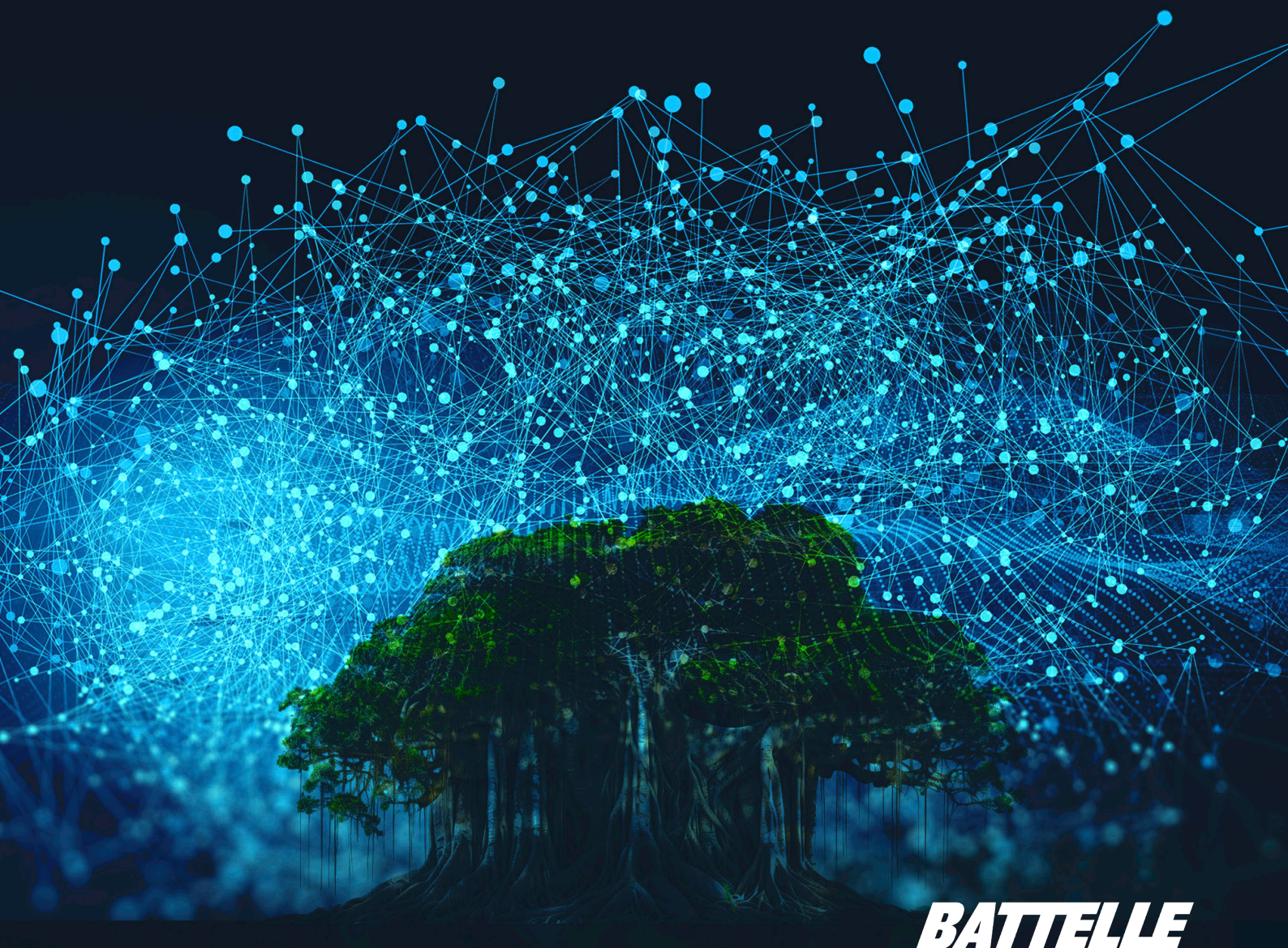
Banyan Technology™ | Revolutionize Your SU Herbicide Formulations

Groundbreaking Formulation Technology Enabling Liquid, Chemically Stable, and Highly Efficacious Formulations of Sulfonylurea (SU) Herbicides

Banyan Technology™ offers a unique, sustainable breakthrough technology that enables the creation of new products based on liquid, chemically stable and efficacious formulations of Sulfonylurea (SU) herbicides.

This novel technology enables, multiple liquid co-formulations of Sulfonylurea herbicides with other classes of herbicides:

- Sulfonylurea + Sulfonylurea mixtures
- Combination with a range of non-sulfonylurea herbicides
- Tribenuron methyl and metsulfuron methyl, the least stable Sulfonylureas.



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What problem does this technology solve and what are we trying to accomplish?

More and more farmers are demanding easily manageable and applicable liquid formulations that can be seamlessly blended with their other crop protection products. Existing technologies have missed the mark in delivering real solutions until now.

Battelle’s Banyan Technology™ delivers a new and wider range of stabilizers so that Sulfonylureas can be formulated as liquids. This novel technology also enables you to achieve your sustainability goals and meet government regulations by reducing application rates all while maintaining or even enhancing efficacy.

Eradicate the myth of formulating your SU herbicide as water-dispersible granules (WG)

The common belief in the agrochemical industry is to formulate SU herbicides as water-dispersible granules (WG).

Banyan Technology™ introduces stable liquid formulations of Sulfonylurea herbicides that can be formulated as innovative types such as oil dispersion (OD), emulsifiable concentrate (EC), and soluble concentrate (SL).

Scientific Proof

Tribenuron-methyl OD stability					
Formulations	A	B	C	D	E
Tribenuron-methyl	5	10	5	5	10
Battelle Stabilizer			5	10	10
Other components	to 100	to 100	to 100	to 100	to 100
2 Weeks at 54 °C, % remaining	0.4	29.7	91.7	93.5	96.5

Benefit	Description
New Products	Unlock entirely new product possibilities with 3 or more active ingredients.
Liquid Formulations	Meets farmer’s demands for liquid and easily blendable liquid crop protection products.
Versatile Co-formulations	Create diverse liquid formulations of SU herbicides with various herbicide classes, expanding your options.
Superior Chemical Stability	Banyan Technology™ stabilizers ensure chemical stability for all SU herbicides.
Unmatched Performance	Experience superior results that outshine the competition, setting new standards in herbicide efficacy.
Sustainable Efficiency	Achieve exceptional results with less product, aligning with sustainability goals and regulatory compliance.

Banyan Technology™ Developed by Battelle and co-licensed with Mitsui AgriScience International.

Contact us today to talk to a Battelle Crop Protection Expert.



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