

Delivering the Essentials. More Efficiently.

[7.2] bu/ac

Average corn yield increase vs.
MAP over twelve years of research

NUTRIENT BREAKDOWN



MicroEssentials® is a phosphate-based fertilizer from The Mosaic Company that offers uniform nutrient distribution and season-long sulfur availability, backed by more than 12 years of small-plot research data.

Through its patented Fusion® technology, four key nutrients (SZ®) are combined into a single granule, including two forms of sulfur for both early- and late-season crop demands.

MicroEssentials meets the definition of an Enhanced Efficiency Fertilizer (EEF) with slow-release characteristics as defined by the Association of American Plant Food Control Officials (AAPFCO) - Elemental Sulfur (ES) found within the product is converted to plant available Sulfate-Sulfur throughout the growing season.

It is eligible for the USDA's Natural Resources Conservation Service (NRCS) Programs and is part of Mosaic's commitment to setting the stage for tomorrow with next-generation crop nutrition to meet today's yield demands and help ensure the legacy of land for generations to come.

Earn financial incentives for using Enhanced Efficiency Fertilizer

The USDA-NRCS has several programs available to growers who are using sustainable/conservation practices. Utilizing EEF sources may qualify you for benefits within these programs.

The Conservation Stewardship Program (CSP) and the Environmental Quality Incentives Program (EQIP) both provide financial and technical assistance to growers who are putting sustainable practices in place that conserve natural resources for the future, while also improving and strengthening their operations.

The USDA-NRCS has identified a number of standards for conservation to optimize crop yields while minimizing environmental impacts through best management practices and conservation infrastructure – all of which contribute to sustaining land for generations to come.

Why participate in a CSP

In addition to potential financial benefits, the USDA often offers one-on-one assistance to help plan and implement improvements. This includes guidance on improving nutrient use efficiency to reduce risk of nutrient losses (through Enhanced Efficiency Fertilizers), cover crops, grass alleyways, residue management and more.

Why conservation is important

If you're interested in expanding your sustainable practices or implementing for the first time, consider these benefits of conservation practices:

1. Improved land efficiencies
2. Benefits long-term soil health and microbiomes
3. Sustains land for future use to contribute to the well-being of future generations
4. Increases cost efficiencies, thereby benefitting yield

How to apply

To learn more about the conservation programs, contact your local NRCS office. An NRCS staff member will visit you and evaluate the natural resources on your land. NRCS will then present a variety of conservation practices or system alternatives to help you address those concerns or management goals to improve or protect the natural resource conditions on your land. Visit the Apply for EQIP page or CSP Programs page for more information on to how apply.

Why use an Enhanced Efficiency Fertilizer source on your farm?

An Enhanced Efficiency Fertilizer (EEF) is simply better for the soil and the environment. Fertilizers that qualify for this designation reduce nutrient losses to the environment while increasing nutrient availability for the plant or crop.

Two programs to ask your NRCS office about when discussing enhanced efficiency fertilizer are:

1. Nutrient Management 590 Standard
2. CSP Enhancement 590A