

SAGE™

TURNING LIMITS INTO LEVERAGE.

The **Sulvaris Advanced Granulation Engine (SAGE™)** is an innovative modular fertilizer production system created to convert and repurpose a wide range of inputs and by-products into high-performance homogeneous granules through the integration of **Micronized Sulfur Technology (MST®)**. It is intended for organizations that need differentiated premium products, operational flexibility, increased margins, and locally adaptable outputs.

This system allows for customizable, pro-local, scalable production, which will deliver a measurable improvement in product quality, nutrient use efficiency, and on-farm profitability.

SAGE™ FEATURES

MODULAR SYSTEM DESIGN

- Detailed engineering design offering end-to-end seamless integration
- Easily installed within existing infrastructure for rapid deployment
- Enables regional production close to end users with a compact footprint
- Best-in-class components and industry-proven design for top tier performance

FLEXIBLE INPUT & OUTPUT CAPABILITY

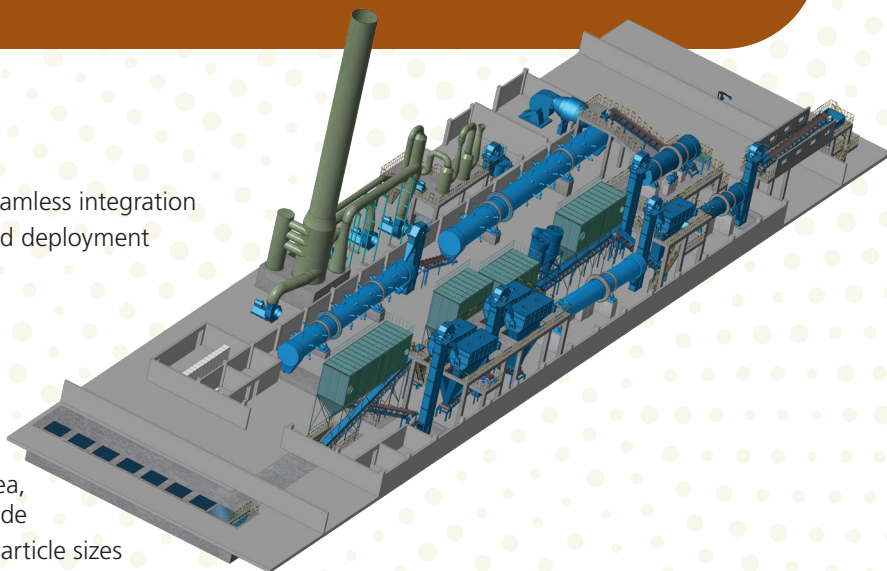
- Accepts a wide range of feedstocks including fines and off-spec materials including MAP, DAP, TSP, Urea, Potash, Ammonium Sulfate, and Ammonium Chloride
- Supports a wide range of material conditions and particle sizes
- Provides a solution for sulfur offtake from oil and gas byproduct streams
- Customizable, flexible, and scalable units that can meet a wide range of output requirements

MICRONIZED SULFUR TECHNOLOGY (MST®) INTEGRATION

- Integrates Sulvaris' patented, award-winning Micronized Sulfur Technology® for superior on-farm performance
- Offers an exceptionally small elemental sulfur particle size, with an average particle size of <7 microns, allowing for rapid conversion of elemental sulfur to plant available sulfate in the season of application
- Provides slow-release, leaching-resistant sulfur for sustained fertility throughout the growing season
- Is proven to provide grower application flexibility, improve product storage and handling properties, and increase agronomic performance
- Aligns with 4R nutrient stewardship principles

OPERATIONAL EFFICIENCY

- Proven technology containing pre-engineered components for faster deployment
- High level of automation reduces labor requirements
- Performance-focused, customizable output to match regional crop and soil needs



END-TO-END SEAMLESS INTEGRATION

1

MECHANICAL REDUCTION

Efficient processing and remediation of various forms and quality of feedstocks.

2

MST® INTEGRATION

Manufactures innovative, homogeneous granules infused with micronized sulfur—delivering a balanced blend of nutrient value and application performance.

3

GRANULATION

Ability to deploy multiple granulation processes to accommodate various products at the highest quality.

CUSTOM CONFIGURATION. UNIFIED RESULTS.

Select the integrated design package that fits your current needs. Engineered for flexibility, the Sulvaris Advanced Granulation Engine consistently produces premium-quality fertilizer at a wide range of capacities with seamless integration across greenfield sites, brownfield retrofits, and operational facilities.

BUILT TO LEAD. ENGINEERED TO ADAPT.

The **SAGE™** allows you to:

- Produce a multitude of enhanced custom fertilizers with distributed production capabilities in close proximity to end markets globally
- Produce a variety of homogeneous N, P, K, and NPK + MST® high-efficiency products
- Reduce reliance on external granulation or imported finished products
- Tap into and expand the growing demand for premium fertilizers
- Improve both proximity and affordability of high-quality specialty fertilizers to your customers

READY FOR WHAT YOUR MARKET DEMANDS

Whether you're producing Urea, MAP, DAP, TSP, Potash, Ammonium Sulfate, complex NPK blends or incorporating micro-nutrients, the **SAGE™** transforms your inputs into high-efficiency MST®-enhanced granules tailored to your customers, your crops, your soil, and your region.

From a wide range of inputs and by-products to premium specialty products, the **SAGE™** delivers the performance your customers expect—and the flexibility your business needs to stay ahead.



OUR OFFICE

6443 2 St SE, Calgary, AB T2H 1J5, Canada

info@sulvaris.com

Sulvaris®

Join us in **Making Good Better™** at sulvaris.com