

OPTIMIZE TUBERS, MAXIMIZE YIELD

Tuber initiation is a crucial growth stage in potato development, where the foundation for yield and quality is established. This complex process involves sunlight, temperature, starch accumulation and calcium signaling.

aCalsa® SC can significantly enhance this process by improving calcium signaling, which is important for cell division and elongation. Optimizing these factors ensures vigorous emergence, early growth and efficient carbohydrate transfer to stolons. The result is more and higher-quality tubers.



aCalsa SC is designed to optimize tuber initiation in potatoes with advanced nutritional science. aCalsa SC can enhance harvest outcomes by:

- Maximizing tuber numbers per plant
- Balancing tuber size distribution
- Extending the bulking period for larger tubers
- Improving stress tolerance for consistent development

These factors collectively increase both the overall yield and quality of the potato harvest, and therefore, generate more productivity and profitability.

THREE DISTINCT PERFORMANCE MECHANISMS

PHOSPHITE

Maintains plant health and vigor in adverse growing conditions

CALCIUM

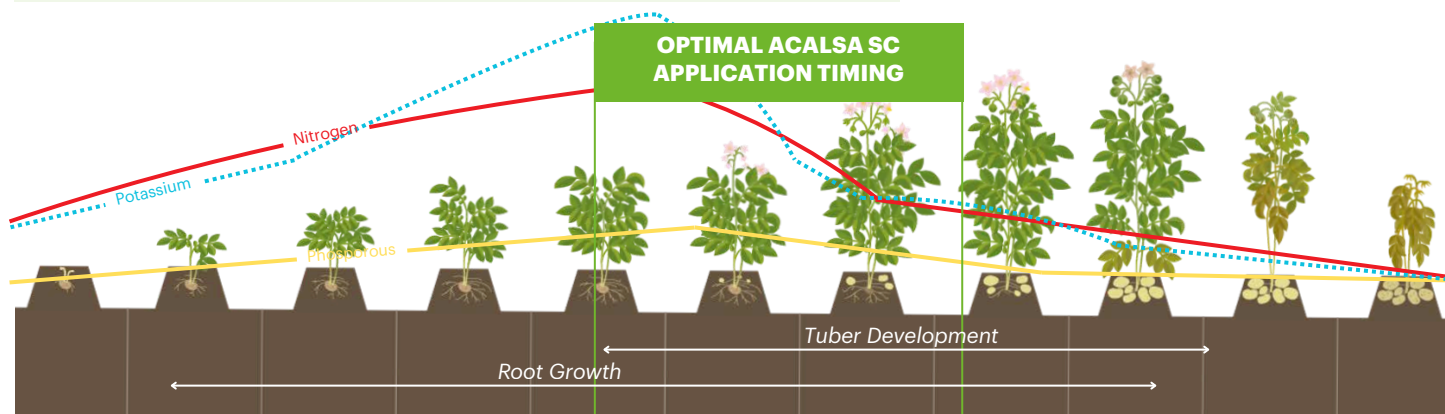
Essential for the entire photosynthetic process and plant structural integrity

BIO-STIMULANT

Optimizes the plant's ability to convert nitrates into amino acids and proteins

PERFORMANCE BENEFITS

- Boosts growth by maximizing carbohydrate storage in vines and stolons, which significantly enhances first tuber set
- Drives tuber formation by activating crucial calmodulin proteins through the efficient transfer of stored carbohydrates into developing tubers
- Amplifies the conversion of sunlight and temperature into enhanced photosynthesis and precise calcium-dependent signaling for tuber initiation





REI	None
PHI	None
Restricted Use	No
Packaging	2x2.5 gal
OMRI Listed	No

STABILIZATION TECHNOLOGY



aCalsa SC is stabilized to mitigate any chemical reaction between phosphite technology and tank mix partners.

PRODUCT SPECIFICATIONS

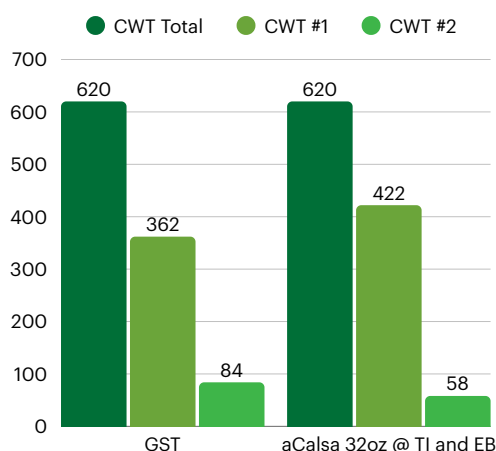
Brand Name	aCalsa® SC
Category	Crop development
Active Ingredient	Calcium phosphite and metabolites
Crops	Potatoes, peanuts, corn, soybeans, potatoes, vines, stone and pome fruits, strawberries
Formulation	SC (suspended concentrate)
Application	Potatoes Apply at tuber initiation through early bulking
Rate	Recommended at 32 fl oz/A

NUTRIGENOMIC PERFORMANCE ADVANTAGES

Our research shows that aCalsa SC amplifies protein synthesis, accelerates starch and sucrose pathways, provides comprehensive protection against environmental stress, and therefore, empowers potato growers to achieve maximum yield potential.

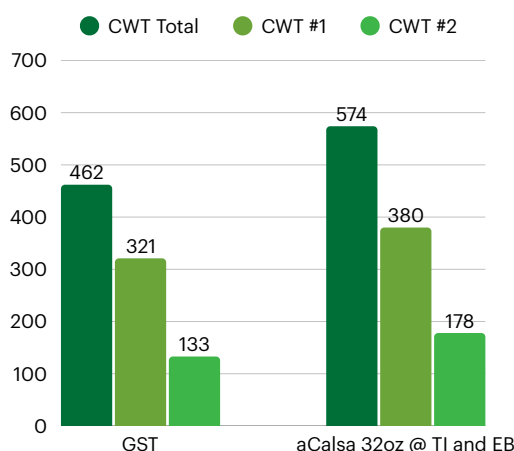
UMATILLA RUSSET

Hubbard, Idaho, 2024



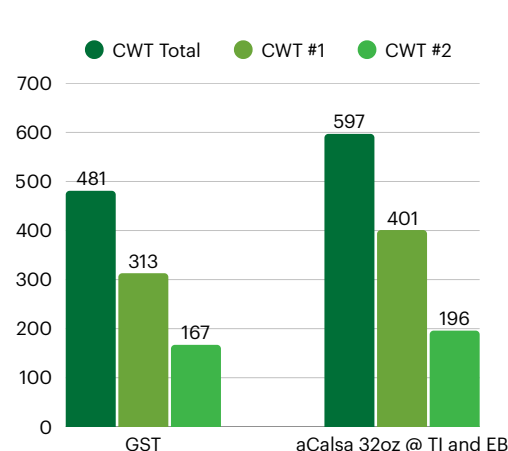
MANISTEE

Central Michigan, 2024



RUSSET BURBANK

Central Michigan, 2024



CROP SOLUTIONS

For more information visit HELMcrop.com.

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