

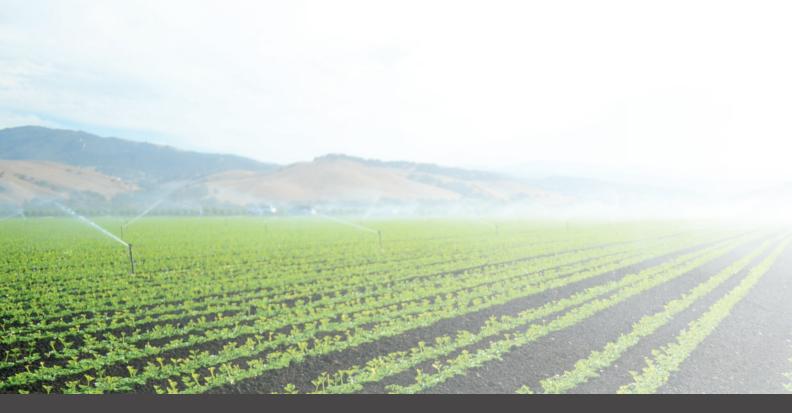


HARNESS THE POWER OF NATURE





With the Redox Granic Line, we have Harnessed the Power of Nature by meeting the highest standards possible. Each Redox organic product has unique characteristics and benefits specifically designed to meet requirements for plant nutrition, product efficacy and regulation. Our agronomic team will provide organic growers customized solutions to maximize yield and return on investment.





Redox technology provides premium sources of nitrogen, phosphorus & potassium, calcium, magnesium, silicon, micronutrients, biostimulants & soil amendments.

Our products excel in four key areas:

ABIOTIC STRESS DEFENSE

- Mainstay™ Calcium
- Mainstay™ Si
- **№** PeneCal™
- TriPlex™ Micro
- **™** TriPlex™ Zinc

SOIL HEALTH

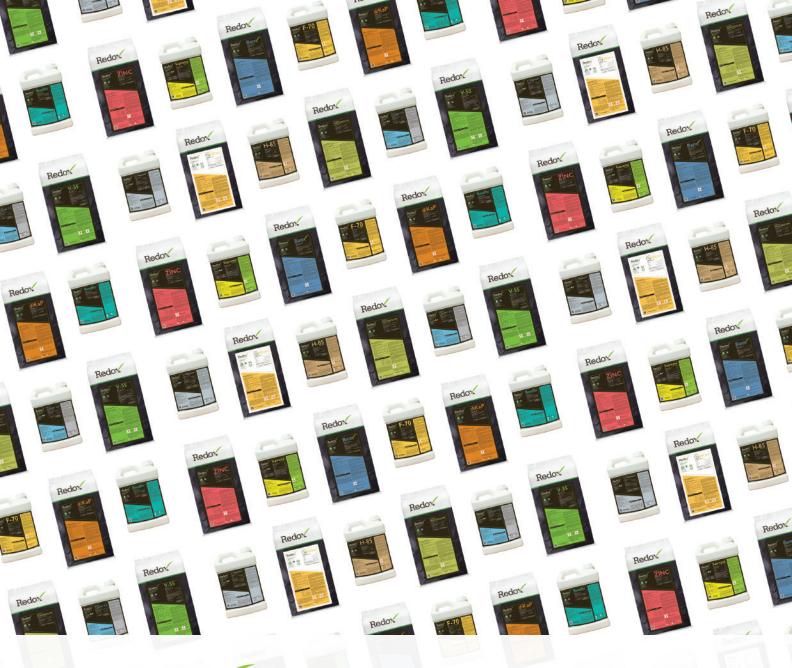
- **№** H-85™
- Mainstay™ Calcium
- **№** PeneCal™

ROOT DEVELOPMENT

- Mainstay™ Calcium
- Mainstay™ Si

NUTRIENT EFFICIENCY

- **™** H-85™
- Mainstay™ Calcium
- Mainstay™ Si
- **№** PeneCal™
- **™** TriPlex™ Micro
- **™** TriPlex™ Zinc











Redox

0-0-18

GUARANTEED ANALYSIS

DERIVED FROM POTASSIUM HYDROXIDE

ALSO CONTAINS NON-PLANT FOOD INGREDIENT(S)

GUARANTEED ANALYSIS - SOIL AMENDING INGREDIENT(S):



H-85[™] is a multi-extraction humic and fulvic acid that contains short-, medium-, and long-chain soluble carbon molecules. H-85[™] is soluble across a broad pH range, improving soluble carbon availability in all soil types. The availability of soluble carbon across a broad pH range increases soil microbial diversity and soil health. When combined with synthetic nitrogen, H-85[™] will increase nitrogen efficiency by at least 25%.

Water Penetration	Apply 0.5-2 lbs./acre as a soil application every 1 to 4 weeks.
Soil Health	Apply 0.5-2 lbs./acre as a soil application every 1 to 4 weeks.
Root Growth	Apply 0.5-2 lbs./acre as a soil application every 1 to 4 weeks.
Nitrogen Efficiency	Apply 0.5-2 lbs./acre as a soil application every 1 to 4 weeks.



GUARANTEED ANALYSIS

Calcium (Ca) DERIVED FROM CALCIUM CARBONATE



Mainstay™ Calcium is specifically formulated to provide concentrated plant-available calcium for plant nutrition and soil structure.

CALCIUM NUTRITION

Redox microencapsulation allows for improved calcium uptake and movement within the plant.

SOIL STRUCTURE

Redox microencapsulation prevents calcium tie-up in the soil, allowing for improved soil structure.

Fruit Firmness	Apply 0.5-5 gals./acre as a soil application or 0.25-1 gal./acre as a foliar application during early season cell division/development. Repeat every 1 to 2 weeks.
Cell Wall Strength	Apply 0.5-5 gals./acre as a soil application or 0.25-1 gal./acre as a foliar application during early season cell division/development. Repeat every 1 to 2 weeks.
Plant Nutrition	Apply 0.5-5 gals./acre as a soil application or 0.25-1 gal./acre as a foliar application during early season cell division/development. Repeat every 1 to 2 weeks.
Soil Structure	Apply 0.5-5 gals./acre as a soil application as needed. Repeat every 2 to 4 weeks.
Root Growth	Apply 0.5-5 gals./acre as a soil application as needed. Repeat every 2 to 4 weeks.



GUARANTEED ANALYSIS

DERIVED FROM CALCIUM SILICATE

ALSO CONTAINS NON-PLANT FOOD INGREDIENT(S)

GUARANTEED ANALYSIS

SOIL AMENDING INGREDIENT(S):

0.2%......Soluble Silicon (Si) from Calcium Silicate



CALCIUM & SILICON NUTRITION

Mainstay™ Si is specifically formulated to provide efficient calcium and silicon nutrition. Silicon enhances the proper uptake and organization of calcium for cell wall structure.

ABIOTIC STRESS DEFENSE

Lack of calcium and silicon nutrition leads to abiotic stress and cell wall degradation.

Mainstay™ Si is unique in its ability to improve Abiotic Stress Defense and increase cell wall strength.

Abiotic Stress Defense	Apply 0.5-3 gals./acre as a soil application or 0.25-1.5 gals./acre as a foliar application during early season cell division/development. Repeat every 1 to 2 weeks.
Plant Nutrition	Apply 0.5-3 gals./acre as a soil application or $0.125-1.5$ gals./acre as a foliar application during the growing season. Repeat every 1 to 2 weeks.
Fruit Firmness	Apply 0.5-3 gals./acre as a soil application or 0.25-1.5 gals./acre as a foliar application during early season cell division/development. Repeat every 1 to 2 weeks.
Cell Wall Strength	Apply 0.5-3 gals./acre as a soil application or 0.125-1.5 gals./acre as a foliar application during early season cell division/development. Repeat every 1 to 2 weeks.
Drought Stress	Apply 0.25-0.5 gals./acre as a soil application or 0.25-1.5 gals./acre as a foliar application during periods of reduced water availability and higher temperatures. Repeat every 1 to 2 weeks.



GUARANTEED ANALYSIS

DERIVED FROM CALCIUM CARBONATE



PeneCal™ is a soil surfactant reacted with microencapsulated calcium. It reduces water surface tension while delivering calcium and water throughout the soil profile. **SPeneCal™** improves soil structure, air to water relationships, and overall soil health.

Water Penetration	Apply 0.25-1.5 gals./acre as a soil application during early season. Repeat every 30 to 45 days as needed.
Salinity Management	Apply 0.25-1.5 gals./acre as a soil application during early season. Repeat every 30 to 45 days as needed.
Soil Health	Apply 0.25-1.5 gals./acre as a soil application during early season. Repeat every 30 to 45 days as needed.
Soil Structure	Apply 0.25-1.5 gals./acre as a soil application during early season. Repeat every 30 to 45 days as needed.





GUARANTEED ANALYSIS	
Boron (B)	.0%
Copper (Cu)	.0%
2.0%Water soluble Coppe	er
Iron (Fe)	.0%
6%Water soluble Iro	n
Manganese (Mn)	.0%
6%	
Zinc (Zn)	.0%



TriPlex[™] Micro is an L-amino acid micro-nutrient fertilizer. Redox chelation and complexing technology increases micro-nutrient availability. TriPlex[™] Micro is designed with specific micronutrient ratios that improve nitrogen metabolism.

Plant Nutrition	Apply 0.25-6 lbs./acre as a soil application, I to 3 times, or 0.2 - 3 lbs./acre as a foliar application, I to 6 times. Refer to label for water volume and foliar rates.
Rapid Growth & Cell Expansion	Apply 0.25-2 lbs./acre as a foliar/soil application every I to 4 weeks.
Root Growth	Apply 0.125-2 lbs./acre as a foliar/soil application every 1 to 4 weeks.
Crop Set & Sizing	Apply 0.125-2 lbs./acre as a foliar/soil application every 1 to 4 weeks.



Redox

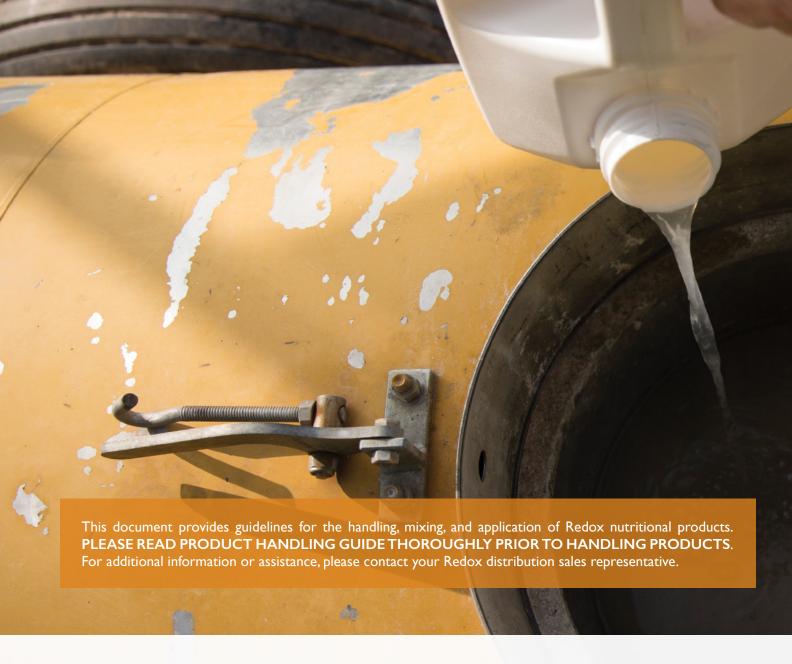
GUARANTEED ANALYSIS

DERIVED FROM ZINC SULFATE



TriPlex™ Zinc is an L-amino acid micro-nutrient fertilizer. Redox chelation and complexing technology improves zinc assimilation and movement within the plant.

Plant Nutrition	Apply 0.25-6 lbs./acre as a soil application, I to 3 times, or 0.2 - 3 lbs./acre as a foliar application, I to 6 times. Refer to label for water volume and foliar rates.
Rapid Growth & Cell Expansion	Apply 0.25-2 lbs./acre as a foliar/soil application every I to 4 weeks.
Root Growth	Apply 0.125-2 lbs./acre as a foliar/soil application every I to 4 weeks.







HANDLING INSTRUCTIONS

FOLLOW MIXING, SPRAYING, AND STORAGE GUIDELINES FOR CONVENTIONAL REDOX PRODUCTS.

ORGANIC PRODUCT GUIDELINES

- Shake liquid products well before adding to the tank.
- If a jug is only partially used, ensure that the lid is put tightly back on in a timely manner.
- Our organic products are guaranteed for one year on the shelf.
- For best results, use size 50 mesh filters.



ARE YOU REDOX READY?

- Always jar test.
- Proper hydration is essential for all applications.
- For best results, allow sufficient time for product mixing.
- Warm water accelerates the process.
- Allow more mixing time when using cold water.
- Proper care and cleaning of equipment is essential.
- Thoroughly rinse equipment after use.



REDOX RECOMMENDED STORAGE

- Redox recommends storage of ALL PRODUCTS in a dry ambient climate, out of direct sunlight.
- To maintain product quality, storage temperatures should be between 50°F & 90°F.
- Do not stack palletized products.
- Strictly adhering to Redox storage recommendations will ensure product efficacy and performance.
- If you have a question about the storage, disposal, or shelf-life of Redox product, contact your local Redox representative or call 1-208-678-2610.

PRODUCT	EC (mS/cm) at 1%	рН	SPECIFICATIONS	
 H-85™	2.77	рН 1%	10.0 - 11.0	
Mainstay™ Calcium	0.09	pH direct	7.5 - 9.5	
Mainstay™ Si	0.12	pH direct	9.5 - 11.0	
№ PeneCal [™]	0.05	pH direct	7.0 - 8.0	
 TriPlex™ Micro	6.54	pH 1%	2.2 - 3.0	
TriPlex™ Zinc	5.24	pH 1%	2.4 - 2.9	
"pH 1%" indicates 1% solution by weight in deionized water.				

