

Applications

Field Crops: Soil apply 10 ounces KELPENE CSW per acre in-furrow. Foliar apply 5 to 10 ounces per acre as soon as possible after emergence and then again in 30 - 45 days.

Produce (Single Harvest):
Apply 7 – 14 ounces of KELPENE GPX per acre to transplant water. Make 3 - 5 foliar applications of 7 - 10 ounces per acre every 2 - 3 weeks starting within 2 weeks of transplant or emergence.

Produce (Multiple Harvest):
Apply 7 – 14 ounces of KELPENE GPX per acre to transplant water. Make 3 - 8 foliar applications of 14 ounces per acre every 2 - 3 weeks, starting within 2 weeks of transplant or emergence.

Leafy Greens: Apply 7 – 14 ounces of KELPENE GPX per acre to transplant water. Make 3 - 5 foliar applications at 10 ounces per acre every 2 - 3 weeks starting within 2 weeks of transplant or emergence. Do NOT apply after mid-season.

Fruit Trees and Bush Crops:
Foliar apply 10 – 15 ounces of KELPENE GPX 3 – 5 times per season, beginning just before or right after bloom, and follow up with 1 - 2 early season applications, 1 – 2 mid-season applications and 1 late season application.

A New Dimension of Environmental Stress Management

KELPENE™ applications have been shown to support plant health, improve nutrient uptake, encourage robust root development and increase yields.

Plants become more resilient and adaptive during periods of environmental stress, such as high heat, intense sunlight, shade, un-expected cold, drought, salinity, anaerobic conditions and water stress, etc.

What are KELPENE Products?

KELPENE products are blends of sea kelp extracts, and, plant extracts, primarily terpenes, derived via a unique proprietary extraction process. KELPENE plant extracts are derived from plants that thrive in diverse environments.

Benefits of KELPENE Products:

- Establishes environmental adaptability
- Improves stress management
- Increases plant resilience
- Higher yields
- Increases root mass and root tips
- Improves nutrient uptake
- Enhances tissue responsiveness
- Elevates Nutrient Use Efficiency
- Enables better allocation of plant energy
- Nourishes plants and soil microbes with organic carbon
- Fortifies plants with naturally-occurring phyto-hormones



About TERPENES

- Present in all plant life and microorganisms
- Active throughout the plant
- Play role in defense against biotic and abiotic stress
- Excellent anti-oxidants that help reduce damage from free radicals and protect against cell membrane degradation
- Terpene emissions act as messengers and signalers; described as “earth’s first language”
- Terpene emissions communicate:
 - *Within plant* • *With other plants* • *With microorganisms* • *With insects*
- Diffuse from leaves as a vapor to communicate with microorganisms and insects, attract pollinators, etc.
- Root-emitted terpenes move through pores in the rhizosphere to signal the plant about soil conditions, communicate with other organisms, etc.
- Environmental stresses can impact the production, storage and emission of important terpenes, such as:
 - *Soil Humidity* • *Light Intensity* • *Nutrient Availability*
 - *Temperature* • *Air Humidity* • *Disease pressure*
- KELPENE products supplement the plants’ supply of important terpenes, enabling crops to better direct energy towards changing needs, rather than terpene synthesis

**For Resilient, Productive and Enviro-Adaptive Crops,
apply KELPENE Products!**

KELPENE™
CSW

For field crops such as corn,
soy and wheat.

KELPENE™
GPX

For all types of crops

PERFORMANCE
NUTRITION®

Performance Nutrition is a division of LidoChem, Inc.

Performance Nutrition is a registered trademark of LidoChem, Inc. KELPENE is a trademark of LidoChem, Inc. ©2018 LidoChem, Inc.

Performance Nutrition
A division of LidoChem, Inc.
20 Village Court, Hazlet NJ 07730
Email: info@pnfertilizers.com Phone: (732) 888-8000

www.pnfertilizers.com