



Applications

Maintenance Rate: Make 4 foliar applications of 15 ounces of KELPENE GPX per acre during spring and early season every 2 – 3 weeks, followed by 1 application mid-season and 1 fall dormancy application.

Recovery/High Stress Rates: Make 12 – 18 foliar applications of 15 ounces of KELPENE GPX per acre during the season. Apply every two weeks during the key growing period and then every 30 – 60 days at other times.

Nursery Crops: Foliar apply or soil drench 7.5 – 15 ounces of KELPENE GPX every other month.

A New Dimension of Environmental Stress Management

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

Turf, ornamentals and nursery crops 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 is KELPENE GPX?

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

Benefits of KELPENE GPX:

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





About TERPENES

- Present in all plant life and microorganisms
- Active throughout the plant
- Play role in defense against biotic and abiotic stress
- In some plants, some terpenes act as phytoalexins
- 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.
- Play an indirect role in the natural plant defense against insects by attracting carnivorous insects when herbaceous insects attack a plant
- 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 GPX supplements the plants’ supply of terpenes, enabling plants to better direct energy towards changing needs, rather than terpene synthesis.

For Resilient,
Productive and
Enviro-Adaptive
Turf & Ornamentals,
apply KELPENE GPX!

KELPENE™
GPX

For all types of turf, ornamentals,
and nursery crops