UPTAKE PRO®

ADJUVANT · SURFACTANT · DEPOSITION AID · WETTING AGENT

Principal functioning agent:

1-Decanaminium, N-decyl-N,N-dimethyl-, chloride	**7.5%**
Constituents ineffective as spray adjuvant	**92.5%**
TOTAL	**100%**

All ingredients are exempt from the requirements of a tolerance under 40 CFR 180.

FLAMMABLE LIQUID AND VAPOR
CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. HARMFUL IF SWALLOWED.

KEEP OUT OF REACH OF CHILDREN

DANGER



PRECAUTIONARY STATEMENTS:

CORROSIVE. Causes severe skin burns and eye damage. Wash hands and any affected area thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/ protective clothing/ eye protection/ face protection.
FIRST AID: IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help. IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF exposed or concerned: Get emergency medical help immediately. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. **PHYSICAL HAZARDS:** Flammable liquid and vapors. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. **Flammable liquid and vapor for open containers per GHS. This material is not classified as flammable for transportation and warehousing as it does not sustain combustion according to ASTM D4206.**
UpTake PRO is a registered trademark of Pace 49 Inc.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal

Storage: Store between 32°F and 100°F in original container.
Container Disposal: Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading. Recycling decontaminated containers is the best option for container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler, visit the ACRC website at www.agrecycling.org. Decontaminated containers may also be disposed of in a manner allowed by local, state and federal law.

CONDITIONS OF SALE

This product is to be used and applied according to the label directions by professionals trained in the use of agricultural chemicals. This material is not intended for use by, nor should be used by, consumers. Pace 49, Inc, and the seller warrants that this product conforms to the chemical description on the label.

The directions for use on this label are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Insufficient performance or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions or good application practices, all of which are beyond the control of Pace 49 Inc., or the seller.

NOT FOR AQUATIC USE

GENERAL INFORMATION
UpTake PRO is a unique adjuvant chemistry designed to improve deposition and wetting when added to a solution. Inject into overhead or sub irrigation systems for mist, drip, or spray applications, add to spray tanks for a manual spray to soils and plants, or use as a dip for bulbs and rooted or unrooted cuttings. Optimum application effects can be influenced by the crop, pest, application equipment, use volume, solute, and environmental factors.

DIRECTIONS FOR USE
For use in agriculture, forestry, turfgrass, industrial and structural facilities. Use UpTake PRO in areas such as fields, orchards, nurseries, greenhouses, hydroponics, and controlled environment growing facilities. UpTake PRO can only be used with herbicides*, insecticides, miticides, bactericides, fungicides, or water-soluble fertilizers and applied using applicators such as a hydraulic, backpack, boom sprayers, or sub/overhead irrigation systems.

In all applications of UpTake PRO, read and follow directions on the UpTake PRO, and the companion product label(s) as to procedures, use rates, timing of applications, including any use restriction. Follow the label application directions as to mixing with a surfactant.

Due to possible improved deposition and penetration upon the addition of a surfactant, some chemical combinations may cause phytotoxicity to the foliage and/or fruit of susceptible crops. The addition of a surfactant to some chemical tank mix combinations may cause physical incompatibility in the solution. Prior to the addition of UpTake PRO to spray mixes, the user or application advisor must have experience with the combination or must have conducted a small phytotoxicity trial or test compatibility using the jar test.

SPRAY/DRENCH APPLICATIONS TO IMPROVE DEPOSITION, AND WETTING
UpTake PRO is a spray/ drench adjuvant that may improve the performance of herbicide*, insecticides, miticides, bactericides, fungicides, fertilizer or micronutrients when added to the tank mix. Use 6 to 25 fl. oz. of UpTake PRO per 100 gallons of spray (0.05-0.20% v/v) every 7 to 14 days when applying to crops. For *propagation,* use 6 to 13 fl. oz. per 100 gallons of spray (0.05-0.11% v/v). For soil drenches and herbicide* tank mixes, use 100 to 200 fl. oz. per 100 gallons of spray (0.8-1.6% v/v).

Spray Tank Mixing : Prior to any application, all spray mixing and application equipment must be thoroughly cleaned.

1. Fill spray tank ¾ full with water.
2. Add partner product(s) first and mix, then add UpTake PRO.
3. REDUCE the agitation to a gentle mix when adding UpTake PRO to the solution. Lower agitation is sufficient for mixing UpTake PRO and will reduce any excessive foaming.

Do not mix UpTake PRO with undiluted partner products.

OVERHEAD/ SUB-IRRIGATION SYSTEM APPLICATIONS TO IMPROVE WETTING AND PREVENT OVERWATERING
Add UpTake PRO to irrigation water to improve soil or growing media wettabilty for preparation prior to planting or during production. Apply during watering events as a continuous or intermittent injection using an overhead/sub irrigation as either a continuous or intermittent injection. Add UpTake PRO to irrigation water such that the final inline dilution is 2 to 10 ppm (0.34 to 1.71 fl. oz. per 100 gallons). The ratio setting will vary depending on device and set-up of irrigation system. For best accuracy when injecting into an irrigation system a metering pump, proportional pump or volumetric injector is recommended. To confirm injector setting for desired inline rate, check ppm level just after the injector and at the end of the irrigation line.

UpTake PRO can be injected into a fertilizer irrigation system but do not add to a fertilizer stock tank.

Direct Injection of Concentrated Product: Set injector between 1:37,500 to 1:5,000.

Diluted Injection: Dilute the concentrate to inject the desired rate.

Continuous Injection: for drip or spray applications
Set injector to inject at each watering event to maintain a 2 to 10 ppm level inline. Generally, the injector setting required for these inline rates is 1:15,000 to 1:5,000 (5 to 15 ppm).

Intermittent Injection: for misting, drip or spray in hydroponics

Inject UpTake PRO once every 7 to 10 days. Set the injection parameters per the chart below. For NFT hydroponics, start injection 2 to 4 days after placement of young plants into channels.

ppm	Pulse Frequency	Pulse Duration
1-4 ppm inline	3-8 minutes	1-4 minutes

Intermittent Outdoor Injection: For nursery and specialty agriculture, set injector to inject during a portion of each watering event. The injection event will depend on the total number of watering events. Testing to determine number of watering events for injection may be needed. Use the below information as a guide for setting the pulse frequency and duration per desired ppm level.

- ppm Setting: 2 to 10 ppm
- Pulse Frequency: 10% or greater than the irrigation event for a zone. For best results treatment needs to travel from the point of injection to the furthest emitter.
- Pulse Duration: For best results treat to the end of the watering event.

See Pace representative for more information.

IMPORTANT: *Additional Operating Instructions for Chemigation for Washington State. Review your state and local regulatory requirements before applying any agricultural chemical through an irrigation system. Refer to the SUPPLEMENTAL LABELING FOR CHEMIGATION APPLICATIONS for additional use requirements and restrictions. https://pace49.com/labels-sds/*

BULB, ROOTED OR UNROOTED CUTTING DIP TO IMPROVE WETTING
Add 6 to 25 fl. oz. of UpTake PRO per 100 gallons of water (0.05-0.20% v/v) to a dip tank. To improve wetting, dip plant material into dip solution and submerge for 5 seconds to 5 minutes depending on type of plant material. Remove and plant or hold in cold storage.

Bulbs:

- Add 13 to 25 fl. oz. of UpTake PRO per 100 gallons of water and submerge for 5 minutes.

Rooted or Unrooted Cuttings:

- Add 6 fl. oz. of UpTake PRO per 100 gallons of water for soft plant material and submerge for 5 to 30 seconds.
- Add 13 to 25 fl. oz. of UpTake PRO per 100 gallons of water for woody plant material and submerge for 5 minutes.

* Not approved for use in California

UN1760

CORROSIVE LIQUID, N.O.S. (contains isopropanol and quaternary ammonium compounds), CLASS 8, PG III

PACE® PLANT HEALTH ADVOCATES

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Lot:

Net Contents:

55 gal/ 207.9 L

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US1123