



Plant growth stimulant for use on sod, turf, shrubs, flowering plants and ornamentals.

**Active Ingredient:**

Cytokinin (as kinetin) .....	0.10%
Indolebutyric Acid.....	0.05%
Gibberellin GA 4 &7.....	0.05%

**Other Ingredients:**..... 99.80%

**Total:**..... 100.00%

Contains 0.008 lbs cytokinin/gallon

Contains 0.004 lbs indolebutyric acid/gallon

Contains 0.004 lbs gibberellin GA 4 &7/gallon

**KEEP OUT OF REACH OF CHILDREN**

EPA Reg. No. 62097-65-82917

EPA Est. No. indicated by first letter of batch number on this package (E) 39578-TX-001 (C) 70815-GA-001

Net Contents: 1 gal (3.78 liters)

**PRECAUTIONARY STATEMENTS**

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are listed below.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE items separately from other laundry.

**USER SAFETY RECOMMENDATIONS**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product.

**ENGINEERING CONTROLS STATEMENT**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

## ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff is likely to occur. Do not contaminate water when cleaning equipment or disposing of equipment wash waters or rinsate. Exposed treated seed may be hazardous to birds and other wildlife. Treat only those seeds needed for the immediate use and planting. Do not store excess treated seed beyond planting time. Dispose of all excess treated seed and seed packaging by burial away from streams and bodies of water.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your state or tribe, consult the state or tribal agency responsible for pesticide regulation.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment (PPE) and restricted entry intervals. The requirements in this box only apply to uses of this product covered by the Worker Protection Standard. Do not enter or allow entry into treated areas during the restricted entry interval level (REI) of 4 hours unless wearing appropriate PPE.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as, plants, soil or water is:

- Coveralls
- Shoes plus socks

## NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applied when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Do not enter or allow others to enter the treated areas until sprays have dried.

**Crest 10X is a plant biostimulant which improves the germination of seed, promote early plant emergence in cool conditions, promote root growth and seedling development.**

- Crest 10X may be tank mixed and applied with fertilizers to improve germination and early season growth. All possible combinations of fertilizers, pesticides, other biostimulants and/or other tank mix materials with Crest 10X have not been tested. As such, perform a test mix of the materials to be used in the tank mix with Crest 10X, as shown in the Compatibility section below, to evaluate compatibility of the mixture prior to preparing a larger amount for application in the field. Failure to do so could result in crop injury or lack of performance.
- Tank mixes of Crest 10X and fertilizers must be mixed thoroughly and applied within 1 day of mixing. Agitation must be maintained to assure proper dispersal of the Crest 10X in the fertilizer.
- Apply Crest 10X utilizing properly calibrated application equipment. Failure to do so may result in an improper application to the crop which could result in injury to the crop or lack of performance.
- Clean spray equipment thoroughly using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions before and after applying Crest 10X.
- This product cannot be used to formulate or reformulate any other pesticide product.

## COMPATIBILITY

Conduct a compatibility test when you plan to mix Crest 10X with other products. To determine the physical compatibility of Crest 10X with other products, use a jar test. Using a quart jar, add the proportionate amounts of the each products to approximately one quart of water with agitation. Add dry formulations first, then flowables, and then emulsifiable concentrates last. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding products to the spray tank. Follow the more restrictive labeling requirements of any tank mix partner. Do not tank mix with products whose label prohibits tank mixing. Treat a small test plot if new combinations of products are being used for the first time.

#### **Tank Mixing Information:**

Crest 10X is soluble in water but can also be mixed directly into many liquid fertilizers for use at planting. Crest 10X may also be applied in tank mixes as foliar sprays. All possible combinations of fertilizers, pesticides and/or other agricultural tank mix partners have not been evaluated. Tests must be performed for compatibility and crop safety before applying mixes of materials with which the applicator does not have experience and prior to large scale use.

Testing has shown that Crest 10X when used as per label instructions does not result in phytotoxicity. However, not all crop varieties and cultivars have been tested with possible tank-mix combinations. Since local conditions can influence crop tolerance, test any tank-mix combination on a small portion of the crop to be treated to ensure crop safety. Read and follow the applicable Directions For Use on all products involved in tank-mixing. Always refer to the most restrictive labeling.

**Tank mixes of Crest 10X and fertilizers must be mixed thoroughly and applied within 1 day of mixing. Agitation must be maintained to assure proper dispersal of the Crest 10X in the fertilizer.**

### **APPLICATION INSTRUCTIONS**

**IMPORTANT:** Read the entire "Directions for Use" and the "Notice" before using this product. If terms are not acceptable, return the unopened product container to seller at once.

**NOTICE:** CREST 10X IS NOT A FERTILIZER. USE IN COMBINATION WITH A GOOD FERTILIZER PROGRAM WHERE INDICATED.

Good growing conditions are necessary for the maximum benefits from utilization of Crest 10X. A well-balanced nutrient program is essential for maximum gain from the use of Crest 10X. Crest 10X, in any of its applications, is not intended to replace the fertilizer/nutrient component of a conventional fertility program.

Timing of foliar spray applications is very important. Always follow directions for application rates and timings in the table below. Foliar applications are not recommended if rainfall is forecast two hours of application or before the spray has dried on the leaf surface. For best results, apply Crest 10X in the early morning or late afternoon, especially when temperature exceeds 95°F (36°C).

Apply Crest 10X by ground or air. If applied by air, use 2 to 5 gallons of water per acre. If applied by ground, use 5 to 25 gallons of water per acre. For turf grass, apply Crest 10X by ground using 0.2 to 0.5 gallons of water per 1,000 square feet.

Test results have shown that this product may stimulate higher yields through a larger root mass, earlier fruiting and increased fruit retention. Crest 10X is a tool to increase plant efficiency.

Consult your farm advisor or extension specialist for advice about rates and timing for any of the crops mentioned below.

**TURF USES:**

**Table 1. Crop Application Rates and Application Instructions: SOD & TURF**

Crop	No. of Applications	Rate (fl oz/Acre) by Type of Application				Instructions for Application Timing for Banded & Broadcast/Foliar Sprays
		In-Furrow	Transplant Water	Banded	Broadcast/Foliar	
Sod*	1				8	Apply as a broadcast application to improve growth and rooting
	2				4	Apply 4 fl oz/A after harvest to speed up regrowth. A repeat application may be made 6 weeks after the first application to continue to boost regrowth.
Turf*	1-2				2 fl oz/ 5000 sq ft	After sod/turf has been laid, apply 2 fl oz/5000 sq ft to help with root growth. A repeat application may be made 30 days after the first application. Irrigation should follow the application to water in the product.

\*DO NOT apply this product through any type of irrigation system for use in sod or turf.

**Table 2. Crop Application Rates and Application Instructions: GOLF COURSES**

Crop	No. of Applications	Rate (fl oz/Acre) by Type of Application				Instructions for Application Timing for Banded & Broadcast/Foliar Sprays
		In-Furrow	Transplant Water	Banded	Broadcast/Foliar	
Greens	1 or more				2 fl oz/ 5000-7000 sq ft	Apply an initial treatment of Crest 10X at 2 fl. oz/5000-7000 sq ft to promote root development and protect against "winter kill".
					1 fl oz/ green	Subsequent applications of 1 fl. oz of Crest 10X/5000-7000 sq ft may be applied every 30 days to help maintain healthy root growth.
Tees	1 or more				½ fl oz/ 1200-1500 sq ft	Apply Crest 10X at ½ fl. oz (15 ml)/1200-1500 sq ft to maintain healthy root growth. Repeat applications may be made every 30 days.
Fairways	1-2				8	Make 2 applications of Crest 10X at 8 fl. oz/A the first year. Then make 1-2 applications of 8 fl. oz/A per year in subsequent years.

## **NURSERY & GREENHOUSE USES:**

Crest 10X may be used in watering programs or as foliar sprays to reduce apical dominance and to promote bud differentiation, cell division, root induction and growth.

**Propagation of Cuttings:** Treat plant cuttings with a rooting hormone by dipping in the rooting hormone solution prior to sticking/planting or spraying the rooting hormone solution over the cuttings after sticking/planting. If needed 1-2 additional spray applications of the rooting hormone may be applied over the stuck cuttings to help with root initiation of difficult to root species. Once rooting has begun then spray or mist cuttings with a solution of 0.25 to 1.0 fluid ounce Crest 10X in 1.0 gallon of water at 7-to-14-day intervals to continue rooting of the cuttings and initiate growth of the above ground shoot of the plants. Once the plants are established the spray intervals may be increased to 2-4 week intervals.

**Transplanting:** Add 0.25 to 1.0 fluid ounce of Crest 10X per gallon of transplant solution (fertilizer-water). Use the necessary amount of solution to drench the root zone for that cropping situation. Additional applications may be applied as a foliar spray, drench application or added through irrigation system at 2-4 week intervals.

**Seed Germination & Emergence:** Mix 0.25 to 1 fl. oz. of Crest in 1 gal. of water and sprench at 2 to 4 qts. of solution per 100 sq. ft. bench over planted trays. As it is not possible to test for all genus, specie and cultivar variations. It is recommended to test on a small sample of seeded trays to determine the proper rate to apply before applying to a larger planting of seed. Results may vary by species and cultivar, and rate adjustments may be needed for best results.

**Production:** To increase growth rate, improve quality and resilience of nursery and greenhouse crops, add 0.25 to 1 fluid ounce per 1 gallon of fertilizer or water solution and apply via foliar spray, drench application or through the irrigation system.

## **SHRUBS, NON-BEARING ORNAMENTAL TREES AND FLOWERING PLANT USES:**

Crest 10X may be used to aid in propagation of trees, soft wood cuttings, shrubs and woody ornamentals and to reduce transplant shock. Applications of Crest 10X may also be used to promote growth and vigor and reduce stress in ornamental trees, non-bearing fruit trees such as apple, peach; berry and vine crops such as cranberries; evergreen trees such as spruce, fir, pine; deciduous trees such as birch, elm, maple; flowering plants and shrubs such as poinsettia, rose, azalea, rhododendron, crepe myrtle; and for other flowering and non-flowering shrubs.

**Preparation of Stock Plants and Initiating New Cuttings:** Spray solution of Crest 10X (0.5 to 1.0 fl. oz Crest 10X/gallon water) on the stems, branches, vines or canes to be propagated from 1 to 7 days before cutting. If preferable, dip cuttings in rooting hormone solution or spray hormone solution over the cuttings to initiate rooting. One to two spray applications of rooting hormones may be necessary to initiate rooting. Once rooting begins, spray cuttings with a solution of Crest 10X (0.5 to 1.0 fl. oz Crest 10X/gallon water) or apply through the irrigation system at weekly intervals until the plants are established.

### **Transplanting:**

Crest 10X may be used in a transplant solution to reduce transplant shock, promote root growth and early plant health. This solution may be used with young trees and ornamental plants at the time of transplanting. Transplant solution is made by adding 0.25 to 1.0 fl. oz of Crest 10X per gallon of water. Instructions for application of this solution to young trees and ornamental transplants is as follows:

1. Bare (naked) roots – Dip roots into stock solution or spray stock solution onto root mass
2. Balled plants – Spray or drench root ball of plants at time of transplanting.
3. Foliage – Foliage can be lightly misted at the time of transplanting.
4. Furrow planting – Apply 1 gallon of stock solution in furrow per acre.

### Established Trees, Shrubs and Flowering Plants:

For established trees and shrubs, spray foliage with a solution of Crest 10X (0.5 to 1.0 fl. oz Crest 10X/gallon of water) to the point of run-off. This may be applied to shrubs 2-3 times per year to increase vigor, growth and healthy appearance.

For established flowering plants, once per year mix 4 fl. oz of Stock Solution in 1 gal water. Apply the 1 gal mix around the rooting zone of the plant, preferably in the spring. (Stock Solution = 0.5 to 1.0 fl. oz of Crest 10X/gallon water).

### SEED TREATMENT:

**Crest 10X may only be used as a treatment on seeds for crops listed on this label. Allowable seeded grass crops are listed in the Table 1 below. Ornamental/Flowering plant seed may be treated with Crest 10X but not all species have been tested for potential efficacy or injury. As such for any ornamental/flowering plant seed to be treated, a test treatment on a small amount of seed should be conducted to evaluate potential injury before treating seed for a larger planting.** Treated seed may not be used for food, feed or oil purposes. If this product is intended for commercial seed treatment, the treated seed must be labeled in accordance with the requirements of the Federal Seed Act and applicable State Seed Laws. An approved dye must be added to distinguish treated seed and prevent inadvertent use for food, feed or oil purposes.

If this product is intended for “at planting” use, treat only those seed needed for immediate use and planting. Do not store excess treated seed beyond planting time. Dispose of excess treated seed by burial away from streams and bodies of water. A dye is not required for this type of use.

Application instructions are as follows: Apply 1.0 to 4.2 fl oz/100 lbs of seed to be treated. Dilute the Crest 10X with water and mist the seed while mixing. DO NOT store the seed wet as germination may be reduced if not planted soon after treatments. Specific seed treatment directions are described in the following sections.

### SPECIAL NOTE FOR ALL DIRECT SEEDED GRASSES

Crest 10X may be used as a seed dressing/treatment for all direct seeded grasses. Crest 10X contains a blend of plant growth regulators that help enhance germination and early season root and top growth.

Crest 10X may be used at the rate of 1.0 to 4.2 fluid ounces per 100 pounds of seed. Sufficient water needs to be added to insure uniform coverage. Improper coverage will minimize product performance.

**Table 3. Direct seeded grasses\* that Crest 10X may be applied to as a seed treatment.**

Bahiagrass	Carpet grass	Paspalum, Seashore
Bentgrass	Centipede	Ryegrass
Bermudagrass	Fescue, Fine Leaf	Zoyziagrass
Bluegrass	Fescue, Tall	

\*-other direct seeded grasses listed in this label but not listed in the table above may also have Crest 10X applied as a seed treatment.

### MECHANICAL SEED TREATERS:

Apply the appropriate amount of Crest 10X to a premeasured amount of seed and mix thoroughly until all seed are uniformly coated. Seed can be treated in this manner and stored until used for planting. Do not use treated seed for food, feed or oil purposes. An approved dye must be added to distinguish Crest 10X treated seed and prevent inadvertent use for food, feed or oil purposes. Seed treated with this product must be labeled in accordance with all applicable requirements of the Federal and State seed laws. DO NOT USE TREATED SEED FOR FOOD, FEED OR OIL PURPOSES.

**BROADCAST SEED APPLICATION:**

Partially fill broadcast spreader with a premeasured amount of seed. Apply the appropriate amount of Crest 10X diluted with water on the surface of the seed. Mix with a stick or paddle until all seed are coated. Repeat procedure until broadcast spreader is filled. **DO NOT USE TREATED SEED FOR FOOD, FEED OR OIL PURPOSES.** Treat only those seeds needed for immediate use and planting. Do not store excess treated seed beyond planting time.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in original container only. Do not store in direct sunlight. Avoid freezing temperatures. After partial use, close the container tightly. Store in a secure place that is cool and dry. Use spray and stock solutions within 24 hours. Immediate use is required if another component is added to the spray solution.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY**

Fine Agrochemicals Limited ("FINE") warrants that this Product conforms to the specifications on this label. To the extent consistent with applicable law, FINE makes no other warranties and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for a particular purpose. No agent of FINE or any other person is authorized to make any representation or warranty beyond those contained herein.

It is impossible to eliminate all risks associated with this Product. Plant injury, lack of performance, or other unintended consequences may result because of factors such as abnormal weather conditions, use of the Product other than in strict accordance with this label's instructions, presence of other materials, the manner of application or other factors, all of which are beyond the control of FINE or the seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

To the extent consistent with applicable law: 1) FINE disclaims any liability whatsoever for special, incidental or consequential damages resulting from the handling or use of this Product and 2) FINE's liability under this label shall be limited to the amount of the purchase price or, at the election of FINE, the free replacement of the Product.

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