



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 23, 2019

Frederick T. Smith
Agent for Fine Agrochemicals Ltd.
c/o SciReg, Inc.
12733 Director's Loop
Woodbridge, VA 22192

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Acceptable
Changes to Application Rates Table and Ingredients Statement
Product Name: FAL 1783
EPA Registration Number: 62097-45
Application Date: 07/24/2019
OPP Decision Number: 553594

Dear Mr. Smith:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false

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or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Anna O'Neil by phone at (703) 347-8274 or via email at oneil.anna@epa.gov.

Sincerely,

A handwritten signature in blue ink that reads "Andrew C. Bryceland". The signature is written in a cursive style with a large, sweeping initial 'A'.

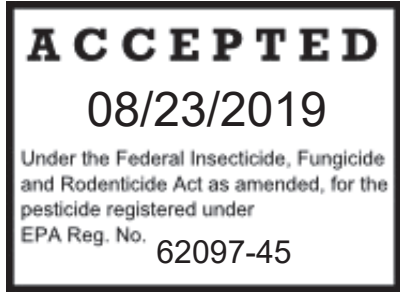
Andrew Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

MASTER LABEL

FAL 1783

Sub-label A: Agricultural/Commercial Use
Sublabel B: Commercial Turf/Golf Course & Ornamentals Use
Sub-label C: Residential Use



Plant growth stimulant for use on field crops, vegetable crops, small fruit, vine, tree fruit, sod, turf, shrubs, non-bearing ornamental trees, flowering plants and ornamentals.

Active Ingredients:

Cytokinin (as kinetin)	0.010%
Indole Butyric Acid	0.005%
Gibberellic Acid (A ₃)	0.004%

Other Ingredients: 99.981%

Total: 100.000%

Contains 0.0009 lbs cytokinin/gallon
Contains 0.0004 lbs indole butyric acid/gallon
Contains 0.00036 lbs gibberellic acid/gallon

KEEP OUT OF REACH OF CHILDREN

EPA Reg. No. 62097-45

EPA Est. No.

Net Contents:
Batch/lot No.

Sub-label A: Agricultural/Commercial Use

FAL 1783

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EPA Reg. No. 62097-45

EPA Est. No.

Net Contents:
Batch/lot No.

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

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.

FAL 1783 is a plant biostimulant which can improve the germination of seed, plant emergence in cool conditions, root growth, seedling development and plant growth/development throughout the growing season.

COMPATIBILITY

FAL 1783 can be tank mixed and applied with in-furrow fertilizers to improve germination and early season growth. All possible combinations of fertilizers, pesticides, other biostimulants and/or other tank mix materials with FAL 1783 have not been tested. As such, perform a test mix of the materials to be used in the tank mix with FAL 1783 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.

Conduct a compatibility test when you plan to mix FAL 1783 with other products. To determine the physical compatibility of FAL 1783 with other products, use a jar test. Using a quart jar, add the proportionate amounts of the 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

FAL 1783 is soluble in water but can also be mixed directly into many liquid fertilizers for use in-furrow at planting. FAL 1783 can 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 FAL 1783, 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 FAL 1783 and in-furrow fertilizers must be mixed thoroughly and applied within 1 day of mixing. Agitation must be maintained to assure proper dispersal of the FAL 1783 in the fertilizer.

Apply FAL 1783 utilizing properly calibrated application equipment. Failure to do so could result in an improper application to the crop that 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 FAL 1783.

This product cannot be used to formulate or reformulate any other pesticide product.

CHEMIGATION INSTRUCTIONS

Apply FAL 1783 only through the following types of systems: sprinkler, including center pivot, lateral move, end tow, side roll, traveler, big gun, solid set, or hand move; or drip (trickle) irrigation systems. Do not apply this product through any other type of system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable about the chemigation system and responsible for its operation, or under supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Chemigation System Connected to Public Water Systems:

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone (RPZ), back flow preventer or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

Agitate the pesticide supply tank contents throughout the application of FAL 1783. Apply FAL 1783 at the end of the water application in a sufficient amount of water to allow proper coverage of plant or crop and allow the entire intended dose of FAL 1783 to be applied before the system is shut down. The rate applied during the chemigation procedure must not exceed the maximum use rate of FAL 1783 allowed for that crop per acre per application.

Mixing instructions: Fill supply tank to 1/4 full to 1/2 full. Add FAL 1783 and complete filling. It is recommended to agitate the mix solution during the mix process.

Sprinkler or Drip (Trickle) Chemigation:

The system must contain functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch will stop the water pump when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

Agitate the pesticide supply tank contents throughout the application of FAL 1783. Apply FAL 1783 at the end of the water application in a sufficient amount of water to allow proper coverage of plant or crop and allow the entire intended dose of FAL 1783 to be applied before the system is shut down. The rate applied during the chemigation procedure must not exceed the maximum use rate of FAL 1783 allowed for that crop per acre per application.

Mixing instructions:

Fill supply tank to $\frac{1}{4}$ full to $\frac{1}{2}$ full. Add FAL 1783 and complete filling. It is recommended to agitate the mix solution during the mix process.

Use FAL 1783 in combination with a well-balanced fertility program and good management practices. Soil and tissue testing should be used as part of a complete crop management plan to determine the need for additional nutrients and micronutrients.

APPLICATION INSTRUCTIONS

Good growing conditions are necessary for the maximum benefits from utilization of FAL 1783. A well-balanced nutrient program is essential for maximum gain from the use of FAL 1783. FAL 1783, 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 precisely. Foliar applications are not recommended if rainfall is forecast within 8 hours of applications. For best results, apply FAL 1783 in the early morning or late afternoon, especially when temperature exceeds 95°F (36°C).

Table 1. Crop Application Rates and Application Instructions

CROP	FL OZ/ACRE (each application)	TIMING AND FREQUENCY
Cotton	1-2 fl. oz.	Apply in seed furrow at planting.
	2 fl. oz.	1 to 3 leaf stage. Apply in a band
	3-4 fl. oz.	Apply at pinhead or matchhead square.
	6-8 fl. oz.	Apply at early bloom stage through to late bloom.
Corn (field)	2-8 fl. oz.	Apply in seed furrow at planting.
	4-6 fl. oz..	Apply at V5-V7 growth stage.
	4-6 fl. oz.	Repeat application 2 weeks after 1 st application.
Corn (sweet, popcorn)	2-8 fl. oz.	Apply in seed furrow prior to or at planting.
	4-6 fl. oz.	Apply at V5-V7 growth stage.
Rice	8 fl. oz.	3 to 7 leaf stage.
	8 fl. oz.	Panicle differentiation.
Sorghum (Milo)	2-8 fl. oz.	Apply in seed furrow at planting.
	4-6 fl. oz.	5 to 7 leaf stage. Apply in a band.
	4-6 fl. oz.	Boot to early bloom stage.
Soybeans	4 fl. oz.	Broadcast preplant incorporated with herbicide or apply 1-2 fl. oz/acre in seed furrow at planting.
	2-8 fl. oz	Apply in seed furrow at planting.
	4-6 fl. oz.	3 rd to 5 th trifoliolate.
	4-6 fl. oz.	Apply during pod fill.
Sugar Beets	2-8 fl. oz.	Apply in seed furrow at planting.
	4 fl. oz.	6 to 8 leaf stage. Apply in a band.
	8 fl. oz.	Apply approximately 30 days after 1 st application.
Wheat (winter and spring)	4-8 fl. oz.	Apply at planting or foliar two weeks after emergence. Apply as a foliar application in the spring beginning at 3-5 leaf stage.

CROP	FL OZ/ACRE (each application)	TIMING AND FREQUENCY
Rye, Oats	8.0 fl. oz.	Apply when 3 to 5 true leaves have emerged.
Barley, Rye	A second application of 4 to 8 fl. oz. can be made when spring growth begins after vernalization to increase grain production.	
Forage Crops - Legumes or Grasses	8-16 fl. oz.	Apply FAL 1783 4 to 6 weeks after emergence and monthly thereafter. Mature Crop: Spray FAL 1783 as spring growth begins, 1 week before harvest and again 2 weeks after cutting.
Seed production	8-16 fl. oz.	On established crops: Apply FAL 1783 at the beginning of inflorescence development (early tillering) and again 2 weeks later. Beginning of bloom: Apply 8-16 fl. oz.
Asparagus	12 fl. oz.	Apply to fern 2 weeks after last harvest.
	8 fl. oz.	Apply monthly during fern growth.
Beans (all)	3 fl. oz.	3rd trifoliolate. Apply in a band First bloom. Apply as broadcast spray.
Broccoli, Cabbage, Cauliflower, Celery, Brussel Sprouts	2 fl. oz.	2 weeks after transplant. Apply in a band.
	4 fl. oz.	4 weeks after transplant. Apply in a band. Repeat biweekly.
Carrots, Beets, Other Root Crops	8-12 fl. oz.	3 to 6 leaf seedlings.
	4-8 fl. oz.	Apply at 2 to 4 week intervals following 1 st application.
Cucurbita: Watermelons, Cantaloupe, Cucumbers, Muskmelons	2 fl. oz.	2 to 4 leaf stage. Apply in a band.
	4 fl. oz.	Apply in a band when plants show first signs of running.
	6 fl. oz.	Apply as a broadcast spray two weeks after first application.
Grapes	4-8 fl. oz.	<u>General:</u> Apply FAL 1783 at 4 fl. oz. with all foliar nutritional or pesticide sprays. <u>Sizing:</u> Apply as tank mix with all Gibberellin (GA) sizing sprays. <u>Harvest:</u> Apply FAL 1783 with high potash fertilizer at 2 to 10 days before harvest to enhance sugar accumulation.

CROP	FL OZ/ACRE (each application)	TIMING AND FREQUENCY
Onions, Garlic	8-16 fl. oz	Make first application at bulb initiation. Repeat at two week intervals for up to 4 applications.
Peanuts	2 fl. oz.	Two weeks after emergence. Apply in a band.
	6 fl. oz.	Apply at bloom and at initial pegging.
Peppers: Bell, Chile, Cayenne, Jalapeno	6 fl. oz.	Apply over the top of transplants one day prior to planting or in the transplant water at planting.
	2-4 fl. oz.	Apply at 3 to 5 leaf stage. Apply in a band. Fertigate weekly at 1-1.25 fl. oz./A in drip irrigation.
	4-8 fl. oz.	Apply at 7 to 14 day intervals for 4 to 6 applications.
Potatoes	4 fl. oz.	Add to fertilizer and incorporate in seed furrow prior to planting. This application <u>NOT</u> recommended if FAL 1783 was applied to seed pieces prior to planting.
	6 fl. oz.	At stolonization. Apply in a band.
	8 fl. oz.	Apply as a broadcast spray 2 to 4 weeks after stolonization application.
Spinach, Lettuce and Other Leafy Vegetables	2-4 fl. oz.	Make 1 st application at 3 leaf stage. Following 1 st application, may apply weekly at 4 to 8 fl. oz.
	4-8 fl. oz.	
Squash	3 fl. oz.	2 to 4 leaf stage. Apply in a band.
	8 fl. oz.	Early bloom. Apply as a broadcast spray.
	8 fl. oz.	Repeat applications can be at 14-day intervals.
Sugarcane	16 fl. oz.	<u>At Planting:</u> In furrow over newly laid cane. <u>Foliar:</u> 1st-At beginning of ratoon bud extension. 2nd - At beginning of sugar accumulation. 3rd - One to three weeks before harvest.
Strawberries	8 fl. oz.	Apply as a broadcast spray 2 to 3 weeks prior to coming out of dormancy.
	8 fl. oz.	Apply as a broadcast spray at early bloom. Repeat applications may be made at 14-day intervals.
Tomatoes (processing)	6 fl. oz.	Apply over the top of transplants one day prior to planting or in the transplant water at planting.
	2 fl. oz.	Apply in a band (14") 1 week after transplant or at 6 to 8 leaf stage.

CROP	FL OZ/ACRE (each application)	TIMING AND FREQUENCY
	8 fl. oz.	Apply as a broadcast spray at early bloom and again 2 weeks later.
Tomatoes (fresh market)	2 fl. oz.	Apply in a band (14") 1 week after transplant or at 6 to 8 leaf stage.
	4 fl. oz.	Apply in a banded spray 3 weeks after 1 st application.
	6 fl. oz.	Apply over the top of transplants one day prior to planting or in the transplant water at planting.
	8 fl. oz.	Apply in a broadcast spray with calcium or foliar fertilizer on 14 day intervals.
Nut Crops - Almonds, Pecans, Pistachios, Filberts, Walnuts, Cashews	16-32 oz.	Apply FAL 1783 with 10 lb/acre low biuret urea at mid-nut fill and again one month later. Add 8 fluid oz. of FAL 1783 per acre to each zinc or calcium spray. Apply 16 to 32 fl oz/acre prior to flowering. Ask your local PCA for specific regional timing.

DIRECTIONS FOR USE IN ALL FRUITS

Apple, Cherry, Citrus (Orange, Lemon, etc.) Banana, Stone Fruits (Peach, Plum, etc.), Pear, Mango, Papaya, Pineapple.

Transplants: Follow general transplant instructions.

Fruit Trees Currently in Production: Spray fruit trees with a solution of 1 fluid ounce FAL 1783 in 4 gallons of water (or 1-2 pints/acre) at the following growth stages.

1. At bud break to increase pollination efficiency. (FAL 1783 will not harm bees or pollinating insects);
2. At 1 week after petal fall to promote cell division;
3. At 1 to 2 weeks before fruit drop to reduce physiological stress and reduce fruit drop;
4. At 20 to 30 days after petal fall to increase fruit size;
5. Apply monthly during fruit growth and development to promote nutrient translocation to produce larger and better quality fruit.

NON-BEARING USES FOR TREES, FRUITS, NUTS, BERRIES

To aid in propagation of trees, fruits, berries, soft wood cuttings, shrubs and woody ornamentals and to reduce transplant shock, to promote growth and vigor and reduce stress in 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.

New Cuttings: Spray FAL 1783 at 1-2 pints per acre on the stems, branches, vines or canes to be propagated from 1 to 7 days before cutting. After planting, spray FAL 1783 at $\frac{1}{2}$ pint to 1 pint or apply through the irrigation system at weekly intervals until the plants are established.

Replant Areas: Spray the plants before cutting. Then spray FAL 1783 weekly at $\frac{1}{2}$ to 1 fluid ounce per 1,500 square feet and irrigate in. Continue weekly to biweekly applications until the plants are established.

Established Trees: Spray 1-2 pints per acre, or a mixture of 1 fluid ounce FAL 1783 to 4 gallons of water to thoroughly wet the foliage at any or all of the following growth stages.

1. Early spring to promote bud initiation;
2. At bud break;
3. At terminal calyx;
4. Early to mid-fall.

For best results apply FAL 1783 with foliar nutrients, micronutrients, or secondary nutrient sprays such as calcium, iron, and zinc.

TRANSPLANTS

For a quick start, dip roots in a solution of 1 tablespoon FAL 1783 per gallon of water prior to transplanting or drench flats with a solution of $\frac{1}{2}$ fluid ounce per gallon of water.

SEED TREATMENT APPLICATION RATES AND APPLICATION INSTRUCTIONS

FAL 1783 may be applied as a seed treatment. Mix thoroughly to coat seed and allow to dry before planting or storing seed. Seed treated with FAL 1783 may be stored up to 6 months prior to planting. To apply, dilute the recommended rate with a sufficient amount of water for uniform coverage. FAL 1783 can be applied with other seed treatments or to see previously treated with other seed treatments (fungicide, etc.). Do not use treated seed for food, feed, or oil purposes.

Commercial seed processors must apply with sufficient EPA-approved dye to assure adequate seed coloring. Commercially-treated seed must be labeled in accordance with the Federal Seed Act.

For seed treated at planting, treat only those seeds 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.

Table 2. Seed Treatment Rates & Application Instructions

Crop	Recommended Rate Fluid Ounces/10lbs.	ml/kg
Cotton, peanuts	0.5 to 1.5	3.0 to 10.0
Wheat, soybeans, beans, peas	0.25 to 0.5	1.5 to 3.0
Corn	0.5	3.0
Rice, grain sorghum	0.5 to 1.0	3.0 to 6.0
Potato seed pieces	1/400 dip for 1 minute	
Sweet corn, popcorn	1.0 to 2.0	6.0 to 12.0
Alfalfa, clover	0.75 to 1.5	5.0 to 10.0
Chiles, peppers, tomatoes,	1.5 to 3.0	10.0 to 20.0
Cucumbers, melons, cantaloupes, Honeydews, muskmelons, watermelons, Squash (all varieties)	0.5 to 1.0	3.0 to 6.0
Carrot, lettuce, cabbage, broccoli	2.5 to 5.0	15.0 to 30.0
Okra, onion, garlic, spinach	1.0 to 3.0	6.0 to 18.0

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: *[for container sizes 5 gallons or less]* 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.]

[for container sizes greater than 5 gallons] 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. Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. 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.

© Fine Agrochemicals Limited, Hill End House, Whittington, Worcester, WR5 2RQ, United Kingdom

Sub-label B: Commercial Turf/Golf Course & Ornamentals Use

FAL 1783

Plant growth stimulant for use on sod, turf, non-bearing trees, shrubs, flowering plants and ornamentals.

Active Ingredients:

Cytokinin (as kinetin)	0.010%
Indole Butyric Acid	0.005%
Gibberellic Acid (A ₃)	0.004%

Other Ingredients:	<u>99.981%</u>
Total:	100.000%

Contains 0.0009 lbs cytokinin/gallon
Contains 0.0004 lbs indole butyric acid/gallon
Contains 0.00036 lbs gibberellic acid/gallon

KEEP OUT OF REACH OF CHILDREN

EPA Reg. No. 62097-45

EPA Est. No.

Net Contents:
Batch/lot No.

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

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.

FAL 1783 is a plant biostimulant which can improve the germination of seed, plant emergence in cool conditions, root growth, seedling development and plant growth/development throughout the growing season.

COMPATIBILITY

FAL 1783 can be tank mixed and applied with fertilizers to improve seed germination and early season growth. All possible combinations of fertilizers, pesticides, other biostimulants and/or other tank mix materials with FAL 1783 have not been tested. As such, perform a test mix of the materials to be used in the tank mix with FAL 1783 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.

Conduct a compatibility test when you plan to mix FAL 1783 with other products. To determine the physical compatibility of FAL 1783 with other products, use a jar test. Using a quart jar, add the proportionate amounts of the 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

FAL 1783 is soluble in water but can also be mixed directly into many liquid fertilizers. FAL 1783 can 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 FAL 1783, 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 against phytotoxicity. 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 FAL 1783 and fertilizers must be mixed thoroughly and applied within 1 day of mixing. Agitation must be maintained to assure proper dispersal of the FAL 1783 in the fertilizer.

Apply FAL 1783 utilizing properly calibrated application equipment. Failure to do so could result in an improper application to the crop that 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 FAL 1783.

This product cannot be used to formulate or reformulate any other pesticide product.

APPLICATION INSTRUCTIONS

Good growing conditions are necessary for the maximum benefits from utilization of FAL 1783. A well-balanced nutrient program is essential for maximum gain from the use of FAL 1783. FAL 1783, 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 precisely. Foliar applications are not recommended if rainfall is forecast within 8 hours of applications. For best results, apply FAL 1783 in the early morning or late afternoon, especially when temperature exceeds 95°F (36°C).

TURF USE APPLICATION RATES AND APPLICATION INSTRUCTIONS

Spring Applications: Make an early application of $\frac{1}{2}$ to 1 fluid ounce FAL 1783 per 1,000 square feet to promote tiller, rhizome or stolon growth, to develop a deep root system, and to give the turf a rapid start once winter dormancy is broken and growth begins. Continue monthly $\frac{1}{2}$ fluid ounce per 1,000 square feet applications throughout the spring and summer. Spring application is important to develop a deep root system which will condition the turf and reduce the stress of disease and summer heat or low rainfall. Apply FAL 1783 with iron sulfate for maximum root growth response.

Fall Applications: 2-3 applications of FAL 1783 ($\frac{1}{2}$ to 1 fluid ounce per 1,000 square feet) should be made in the fall beginning about eight weeks before the turf becomes dormant (eight weeks before first frost date in the northern states) to promote root growth and increase vigor to better endure winter stress (reduce winter kill) and improve survival of a good healthy turf for the following spring.

Golf Greens, Fairways, Football and Soccer Fields, and Baseball Infields and Outfields: At the beginning of spring growth apply 1 to 2 fluid ounces per 1,000 square feet at the breaking of dormancy. Make successive maintenance applications of $\frac{1}{2}$ to 1 fluid ounce per 1,000 square feet at monthly intervals or as needed to maintain root growth, tillering, appearance and vigor throughout the growing season. During periods

of intensive use apply $\frac{1}{2}$ to 1 fluid ounce per 1,000 square feet weekly to the greens, infield or playing field to maintain root structure and renew growth and vigor between games. Make 3 applications of $\frac{1}{2}$ fluid ounce per 1,000 square feet at 2 week intervals in the fall beginning about 8 weeks before turf becomes dormant to promote root growth and increase vigor to better endure winter stress to help reduce winter kill.

Sod: Spray FAL 1783 to newly laid sod at $\frac{1}{2}$ to 1 fluid ounce per 1,000 square feet to promote rooting and increase the rate of establishment in sod. To maintain growth and vigor make monthly applications of $\frac{1}{2}$ to 1 fluid ounce per 1,000 square feet.

Sod Farming: Spray FAL 1783 at $\frac{1}{2}$ to 1 pint/acre monthly to sod fields to promote rooting, tillering and rhizome growth and to get the sod to harvest stage more quickly. To help maintain accelerated growth, FAL 1783 can be applied at a rate of $\frac{1}{2}$ to 1 pint /acre at 2-4 week intervals or as needed. Spray FAL 1783 at $\frac{1}{2}$ to 1 pint/acre to sod 1-4 days before harvesting to initiate new root growth and more quickly achieve establishment when sod is laid.

Lawns, Playgrounds, Parks, Recreational Areas, Landscaped Roadways and Cemeteries: At the beginning of spring apply 1 fluid ounce per 1,000 square feet to promote a deep root system and tillering to fill sparse areas. To maintain health and vigor of the turf, apply $\frac{1}{2}$ to 1 fluid ounce per 1,000 square feet monthly. To condition the turf during periods of heavy use or stress, applications can be made more frequently.

Nutritional Sprays: For better color response from nitrogen, iron, sulfur, zinc and other nutrient sprays use $\frac{1}{2}$ to 1 pint/acre of FAL 1783 with nutrient spray solutions. For greens or smaller areas, add $\frac{1}{2}$ to 1 fluid ounce FAL 1783 per 3-5 gallons of spray solution.

Seed Treatment: FAL 1783 may be applied as a seed treatment. Mix thoroughly to coat seed and allow to dry before planting or storing seed. Seed treated with FAL 1783 may be stored up to 6 months prior to planting. To apply, dilute the recommended rate with a sufficient amount of water for uniform coverage. FAL 1783 can be applied with other seed treatments or to see previously treated with other seed treatments (fungicide, etc.). Do not use treated seed for food, feed, or oil purposes.

Commercial seed processors must apply with sufficient EPA-approved dye to assure adequate seed coloring. Commercially-treated seed must be labeled in accordance with the Federal Seed Act.

For seed treated at planting, treat only those seeds 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.

Table 1. Seed Treatment Rates

Crop	Recommended Rate Fluid Ounces/10 pounds	ml/kg
Turf grasses	1.5 to 2.5	10.0 to 15.0

NURSERY & GREENHOUSE USE APPLICATION RATES AND INSTRUCTIONS

FAL 1783 can 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: Dip cuttings in rooting hormone powder or solution and stick in rooting medium. Spray or mist cuttings with a solution of 1 fluid ounce FAL 1783 to 4 gallons of water (1 quart/100 gallons) at weekly intervals until root buds initiate. Then spray at 2-4 week intervals.

Transplanting: Add 1 fluid ounce FAL 1783 per 4 gallons of transplant solution (fertilizer-water). Use the necessary amount of solution to drench the root zone for that cropping situation. Then either apply a foliar spray or add through irrigation system at 2-4 week intervals at the rate of 1 quart per 100 gallons.

Production: To increase growth rate, improve quality and resilience of nursery and greenhouse crops, add 1 fluid ounce per 4 gallons (1 quart/128 gallons) of fertilizer or water solution and apply through the irrigation system or via foliar spray.

SHRUBS, NON-BEARING ORNAMENTAL TREES, FLOWERING PLANTS AND ORNAMENTALS USE APPLICATION RATES AND APPLICATION INSTRUCTIONS

Uses for Non Bearing Trees, Shrubs and Woody Ornamentals: To aid in propagation of trees, fruits, berries, soft wood cuttings, shrubs and woody ornamentals and to reduce transplant shock, to promote growth and vigor and reduce stress in 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.

New Cuttings: Spray FAL 1783 at 1-2 pints per acre on the stems, branches, vines or canes to be propagated from 1 to 7 days before cutting. After planting, spray FAL 1783 at 1/2 pint to 1 pint or apply through the irrigation system at weekly intervals until the plants are established.

Replant Areas: Spray the plants before cutting. Then spray FAL 1783 weekly at 1/2 to 1 fluid ounce per 1,500 square feet and irrigate in. Continue weekly to biweekly applications until the plants are established.

Established Trees and Shrubs: Spray 1 to 2 pints per acre, or a mixture of 1 fl. oz. FAL 1783 to 4 gallons of water to thoroughly wet the foliage at any or all of the following growth stages.

1. Early spring to promote bud initiation;
2. At bud break;
3. At terminal calyx;
4. Early to mid-fall.

For best results apply FAL 1783 with foliar nutrients, micronutrients, or secondary nutrient sprays such as calcium, iron, and zinc.

LANDSCAPE MANAGEMENT APPLICATION RATES AND APPLICATION INSTRUCTIONS (SEE TURF USES ALSO)

Bedding Plants: Spray bedding plants at 2-4 week intervals with a solution of 1 fluid ounce FAL 1783 per 4 gallons of water (1 quart/128 gallons), fungicide or nutrient spray to promote growth, flowering and maximum color development.

Lawn Care: Spray FAL 1783 to lawns at the rate of 1/2 fluid ounce per 1,000 square feet. FAL 1783 can be added to liquid fertilizer, insecticide, fungicide, or herbicide sprays.

Transplanting of Trees, Shrubs or Bedding Plants: See transplanting instructions under Nursery Use.

Maintenance: To promote growth and reduce stress from drought, disease or nutrient deficiency, spray FAL 1783 to foliage at the rate of 1 fluid ounce per 4 gallons of water or fertilizer or pesticide solution (1 quart/128 gallons).

Nutritional Deficiencies: To promote rapid uptake and correction of nutrient deficiencies in ornamentals and turf, add FAL 1783 to iron, nitrogen, fertilizer, zinc or other nutrient spray solutions at the rate of 1 fluid ounce per 4 gallons (1 quart/128 gallons). Apply as a foliar spray or soil drench.

Root Feeding: Mix FAL 1783 with root feeding solutions at the rate of 1 fluid ounce per 4 gallons of nutrient solution (1 quart per 128 gallons).

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: *[for container sizes 5 gallons or less]* 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 ¼ 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.]

[for container sizes greater than 5 gallons] 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. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. 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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Sub-label C: Residential Use

FAL 1783

Plant growth stimulant for use on sod, turf, non-bearing trees, shrubs, flowering plants and ornamentals.

Active Ingredients:

Cytokinin (as kinetin)	0.010%
Indole Butyric Acid	0.005%
Gibberellic Acid (A ₃)	0.004%

Other Ingredients:99.981%

Total:100.000%

Contains 0.0009 lbs cytokinin/gallon

Contains 0.0004 lbs indole butyric acid/gallon

Contains 0.00036 lbs gibberellic acid/gallon

KEEP OUT OF REACH OF CHILDREN

EPA Reg. No. 62097-45

EPA Est. No.

Net Contents:

Batch/lot No.

PRECAUTIONARY STATEMENTS

ENVIRONMENTAL HAZARDS

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm whether when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

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

GENERAL INFORMATION

FAL 1783 is a biostimulant containing plant growth regulators. FAL 1783 enhances plant growth and development by stimulating cell division, cell differentiation and enlargement, nutrient uptake and nutrient utilization. It is especially effective when applied with foliar fertilizer, but it is also compatible with pesticides.

MIXING INSTRUCTIONS

FAL 1783 is water soluble and suitable for use in conventional liquid application systems. Shake FAL 1783 thoroughly and dilute in sufficient water to assure adequate, even coverage without producing excessive runoff. Agitate the spray mixture during application and apply within 12 hours of dilution. If FAL 1783 is tank-mixed with insecticides, fungicides, herbicides or foliar fertilizers, FAL 1783 must be the last addition to the spray mixture.

APPLICATION INSTRUCTIONS

Apply FAL 1783 to foliage diluted in 1 gallon of water per 1000 square feet. Larger volumes of water may be used if not associated with excessive runoff. For best results, make early morning or late evening applications.

Table 1. Crop Application Rates and Application Instructions: Vegetables

Crop	No. of Sprays	Amount/gal/ 1000 sq.ft.	Timing
Beans	3	2 teaspoons	Begin at the 3rd trifoliate leaf and repeat every 7-10 days.
Broccoli, Brussels Sprouts, Cauliflower	3	1 tablespoon	Begin at the 4 to 5 leaf-stage followed by 2 more applications at 10-14 day intervals.
Sweet Corn	2 or more	2 teaspoons	Begin at 2-6 leaf stage and then at 7-21 day intervals through the end of tasseling.
Cucumbers, Melons, Squash	3	2 teaspoons	Begin at flower bud initiation and then follow with 2 more sprays at 7-10 day intervals.
Lettuce	3	1 tablespoon	Begin at the 4-5 leaf stage and then 2 more sprays at 10-14 day intervals.
Onions	3	1 tablespoon	Begin 2 weeks after emergence and 2 more sprays at 10-14 day intervals.
Peppers	4	2 teaspoons	Begin at transplant or at the 3 to 4 leaf stage for direct seeded and repeat at 10-14 day intervals.
Potatoes	3	1 1/2 tablespoons	Begin at 8-10 leaf stage and then 2 more sprays at 7-10 day intervals.
Tomatoes	3	2 teaspoons	Begin at flower bud initiation and then 2 more sprays at 10-14 day intervals.

Table 2. Crop Application Rates and Application Instructions: Vegetables, Small Fruits, Vines and Tree Fruits

Crop	No. of Sprays	Amount/gal/ 1000 sq.ft.	Timing
Strawberries	3-6	2 teaspoons	Begin sprays at first bloom. Repeat at 2-4 week intervals for a total of 3-6 sprays.
Oranges	3-6	2 tablespoons	Spray to wet foliage at first bloom and repeat at each flush of new growth.
Shrubs, Established	2-3	4 tablespoons	Spray foliage to point of run-off 2-3 times a year.
Flower Plants (Roses, Azaleas, etc.)	1	1 teaspoon	In early spring, water in over root zone 1 time per year.

CROP APPLICATION RATES AND APPLICATION INSTRUCTIONS: TURF*

To improve growth and heavy rooting, spray broadcast at 1 1/2 tablespoons per gallon per 1000 square feet. To speed up regrowth after cutting, spray broadcast 2 teaspoons per gallon of water per 1000 square feet.

CROP APPLICATION RATES AND APPLICATION INSTRUCTIONS: SOD*

For quick "tie down" after laying and to get turf off to a quick start, use as follows:

1. Broadcast 2 fluid ounces/5,000 square feet and water in.
2. Make second application 30 days later and water in.

*Do not apply this product through any type of irrigation system.

**CROP APPLICATION RATES AND APPLICATION INSTRUCTIONS:
TRANSPLANTS**

Prepare stock solution with 4 tablespoons of FAL 1783 per 1 gallon of water. When transplanting with bare roots, dip in stock solution before planting. When transplanting with balled plants, spray ball at time of planting with stock solution. Mist foliage at time of transplant.

NOTICE: FAL 1783 IS NOT A FERTILIZER. USE IN COMBINATION WITH A GOOD FERTILIZER PROGRAM WHERE INDICATED.

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.

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