

# **CONTAINERIZED CITRUS - PEST SUPPRESSION (SOIL APPLICATIONS)**

## General Information

### Resistance Management

Some insects are known to develop resistance to insecticides after repeated use. As with any insecticide, use the product in conformance with resistance management strategies established for the use area. ADMIRE PRO SYSTEMIC PROTECTANT contains a Group 4A insecticide. Insect biotypes with acquired or inherent resistance to Group 4A insecticides may eventually dominate the insect population if Group 4A insecticides are used repeatedly as the predominant method of control for targeted species.

The active ingredient in ADMIRE PRO SYSTEMIC PROTECTANT is a member of the neonicotinoid chemical class. Insect pests resistant to other chemical classes have not shown cross-resistance to ADMIRE PRO SYSTEMIC PROTECTANT.

## DIRECTIONS FOR USE

### Application Directions (Soil)

Direct applications of ADMIRE PRO SYSTEMIC PROTECTANT into the seed or root-zone of crop. Failure to place ADMIRE PRO SYSTEMIC PROTECTANT into root-zone may result in loss of control or delay in onset of activity. Apply ADMIRE PRO SYSTEMIC PROTECTANT by ground application or chemigation application. For seedling flats or trays, only apply with broadcast, foliar applications or where product is intended to be washed from foliage to soil prior to drying on foliage.

Optimum activity of ADMIRE PRO SYSTEMIC PROTECTANT results from applications to the root-zone of plants to be protected. The earlier ADMIRE PRO SYSTEMIC PROTECTANT is available to a developing plant, the earlier the protection begins. ADMIRE PRO SYSTEMIC PROTECTANT is continuously taken into the roots over a long period of time and the systemic nature of ADMIRE PRO SYSTEMIC PROTECTANT allows movement from roots through the xylem tissue to all vegetative parts of the plant. This results in residual activity of ADMIRE PRO SYSTEMIC PROTECTANT and

the control of insects which may vector pathogens thereby reducing disease transmission or symptom expression, and the promotion of plant health benefits. The rate of ADMIRE PRO SYSTEMIC PROTECTANT applied affects the length of the plant protection period. Use the higher listed rates when infestations occur later in crop development, or where pest pressure is continuous. ADMIRE PRO SYSTEMIC PROTECTANT will generally not control insects infesting flowers, blooms or fruit. Additional crop protection may be required for insects feeding in, or on these plant parts and for insects not listed in the crop-specific, pests controlled sections of the label. Additional, specific ADMIRE PRO SYSTEMIC PROTECTANT application rates are also provided in the crop-specific sections of the label.

#### Restrictions (Soil applications)

Do not apply to plants grown in non-soil medias such as perlite, vermiculite, rock wool or other soil-less media, or plants growing hydroponically.

Do not apply more than 0.5 lb active ingredient per acre, per year regardless of formulation or method of application, unless specified within a crop-specific section for a given crop.

#### Application Directions (Foliar)

Apply ADMIRE PRO SYSTEMIC PROTECTANT with properly calibrated ground or aerial application equipment. Apply specified rate per acre as a directed or broadcast spray to infested area at earliest threshold for target pest, as population begins to develop. Thorough uniform coverage of all plant parts is required to achieve optimum control. Scout fields and retreat if needed.

The lower rates can be used early season when pest pressures are low or when tank-mixing with other effective products registered for target insect control. Degree of control or suppression of additional labeled pests will be determined, in part, by the stage of pest development at application and infestation level of those pests. ADMIRE PRO SYSTEMIC PROTECTANT provides optimal performance against early instar and early nymphal stages of insects as well as bollworm/budworm eggs. Applications made with less than 5 gallons per acre may result in slower activity and/or less overall control from a single application than an application made with higher gallonages. Use an organosilicone-based spray adjuvant for applications targeting aphids and whiteflies for better control.

Suppression or less than complete control of certain diseases and insect pests including reduced feeding may also result from ADMIRE PRO SYSTEMIC PROTECTANT applications. Complete control of these pests/diseases may require supplemental control measures.

ADMIRE PRO SYSTEMIC PROTECTANT is not intended for use on crops grown for production of true seed for private or commercial planting unless allowed under State specific 24(c) labeling. As with any insecticide, care must be taken to minimize exposure of ADMIRE PRO SYSTEMIC PROTECTANT to honey bees and other pollinators. Additional information on ADMIRE PRO SYSTEMIC PROTECTANT uses for these crops and other questions may be obtained from the Cooperative Extension Service, PCAs, consultants or local Bayer CropScience representatives.

Make application only to plants grown in field-type soils, potting media, or mixtures thereof. Do not apply to plants grown in non-soil medias such as perlite, vermiculite, rock wool or other soil-less media, or plants growing hydroponically.

Pre-mix ADMIRE PRO SYSTEMIC PROTECTANT with water or other appropriate diluent prior to application. Keep ADMIRE PRO SYSTEMIC PROTECTANT and water suspension agitated to avoid settling.

Additional Product Use information may be obtained by calling 1-866-99BAYER (1-866-992-2937).

Restrictions (Foliar applications)

Do not apply more than 0.5 lb active ingredient per acre, per year regardless of formulation or method of application, unless specified within a crop-specific section for a given crop.

Refer to supplemental label for Tank Mixture use on Potatoes.

Refer to supplemental label for Dry Bulk Fertilizer.

Limitations, Restrictions, and Exceptions

CONTAINERIZED CITRUS

Soil Applications

For commercial nursery production in standard “citra pot” of 0.1 ft<sup>3</sup> volume

Apply specified dosage in one of the following methods:

1. Chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment;
2. Basal, soil drench in a minimum of 30 milliliters (mLs) total solution per “citra pot”.

Use sufficient carrier volume to ensure thorough uniform distribution throughout the media without loss of gravitational water from the container. For optimal results, treatment should be made at planting/transplanting prior to insect infestation. Retreat if necessary but do not apply more than 3.0 mLs per plant per season.

Application - For citrus production with other container volumes Determine volume of container and calculate required dosage based on 0.50 mLs / 0.1 ft<sup>3</sup> potting media. Apply calculated dosage per container as described above. Do not exceed rate of 3.0 mLs / plant per crop season regardless of container size.

#### Soil Application Restrictions

- Maximum ADMIRE PRO SYSTEMIC PROTECTANT allowed per application: 0.50 mLs / 0.1 ft<sup>3</sup> container media.
- Maximum ADMIRE PRO SYSTEMIC PROTECTANT allowed per crop season: 3.0 mLs / plant.
- Do not apply pre-bloom or during bloom or when bees are foraging.

#### Citrus (containerized) – Soil Application Notes

1. Application - For citrus production with other container volumes: Determine volume of container and calculate required dosage based on 0.50 mLs / 0.1 ft<sup>3</sup> potting media. Apply calculated dosage per container as described above. Do not exceed rate of 3.0 mLs / plant per crop season regardless of container size.

2. Phytotoxic Response Potential: If you have no experience with ADMIRE PRO SYSTEMIC PROTECTANT on containerized citrus of a specific variety/hybrid, treat only a few plants and observe for phytotoxic effects for up to 60 days prior to

treating entire nursery.

3. PLEASE NOTE: Not all varieties or hybrids of citrus have been tested for phytotoxic response following a ADMIRE PRO SYSTEMIC PROTECTANT application.

Method

[Irrigation](#)

[Drench](#)

[Soil application](#)

[Irrigation](#)

[Drench](#)

[Soil application](#)

Rates

[field\\_rates 0](#)

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Restricted Entry Interval

12 hours

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Timings

[At-Plant](#)

[Prior to insect infestation.](#)