

**FIFRA Section 2(ee) Recommendation  
FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF CALIFORNIA**

***This recommendation is made as permitted by Section 2(ee) of FIFRA, as amended, and has not been submitted to or approved by the US Environmental Protection Agency.***

**All applicable directions, restrictions, and precautions on the EPA-registered label must be followed.** Please contact your Certis USA regional sales manager to determine the specific requirements for FIFRA §2(ee) recommendations in your respective state.

**DIRECTIONS FOR USE**

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

**Stand-Alone Rate:**

DES-X<sup>®</sup> Insecticidal Soap Concentrate can be applied at rates as low as 0.25% (0.25 gallons per 100 gallons of water). Add sufficient water to the mixing tank to allow proper agitation by pump or paddles. Continue stirring while adding first the DES-X<sup>®</sup> Insecticidal Soap Concentrate then the remaining water.

Hard water in excess of 300 ppm should be conditioned to reduce its hardness prior to mixing with DES-X<sup>®</sup> Insecticidal Soap Concentrate.

**Application Instructions:**

For field applications apply 0.25% formulation, 0.25 gal of product/100 gal of water. For best results, commence treatment when infestation is first noticed. Thoroughly spray insect pests or powdery mildew on plants with diluted product to wetting. Minimize run-off to reduce plant injury on sensitive plants. DES-X<sup>®</sup> Insecticidal Soap Concentrate is a contact spray and is effective in its liquid state. Pests need to be contacted with spray solution to be effective. Efforts should be made to thoroughly reach all plant parts including undersides of leaves. Do not exceed maximum application rates on the container label.

**Use Restrictions:**

This 2(ee) label recommendation **does not** apply to tank mixing with another pesticide. **DO NOT** tank mix DES-X<sup>®</sup> Insecticidal Soap Concentrate at rates lower than 1%. Refer to container label for tank mix directions for use.

For tent caterpillars, apply at a rate of 3% formulation (3 gal of product/100 gal of water) directly on larvae.

For Cooley spruce gall adelgids, apply at a rate of 4% formulation (4 gal of product/100 gal of water). Test for tree sensitivity before applying at this rate. Applications in early spring before bud break or in the fall on hardened off foliage is recommended.

Do not spray when plants are under stress.

Do not apply to new seedlings and transplants without determining sensitivity (phytotoxicity) first.

Do not spray during full sun. Spray early in morning or evening or when overcast.

Do not exceed a maximum spray volume of 400 gal/acre on apples.





**DES-X<sup>®</sup>**

**INSECTICIDAL SOAP CONCENTRATE**

EPA Reg. No. 67702-22-70051

Use with care on pears after delayed dormant stage due to potential for fruit marking.

Do not exceed a maximum rate of 100 gal/acre on smooth skinned stone fruit up to fruit formation.

Do not exceed a maximum rate of 175 gal/acre on peaches.

Do not use on yellow skinned nectarines.

If sooty mold is present on citrus, application of product may result in fruit marking.

Do not use on sweet peas, nasturtiums, delicate ferns, or Calmeria and Italia varieties of grapes.

Do not apply to evergreens during drought and use caution when tender new foliage is present.

Use with care on azaleas, bleeding heart, camellia, corn, euphorbia, fuchsia, gardenia, geraniums, impatiens, hawthorn, horse chestnut, jade plant, Japanese maple, lantana, mountain ash, ornamental ivy, palms, succulents. Sensitivity varies with plant varieties. If concerned about sensitivity of plants, apply to individual plants or small areas of plants and wait to determine if plant damage (phytotoxicity) occurs before treating larger areas.

Use with care on blooms. Determine sensitivity before spraying.

Poinsettias may be sensitive. Do not apply after coloring of bracts has begun.

Refer to EPA-approved label for complete list of **USE RESTRICTIONS**.

This FIFRA Section 2(ee) recommendation contains new or additional directions for use of this product, which may not appear on the package label. Read and observe the precautionary statements plus all other information appearing on the product labels. **This recommendation must be in the possession of the user at the time of pesticide application.**

Des-X<sup>®</sup> 2(ee) 0.25% Stand Alone Rate (CA)

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