



## Cadence™

### Humectant/Nonionic Surfactant/Wetting Agent/Defoaming Agent

#### GENERAL INFORMATION

Cadence is a new generation surfactant based on organomodified siloxane technology for use in water-based pesticide formulations. Cadence is a highly effective humectant, nonionic surfactant, wetting agent and defoaming agent. Careful observation of spray application is recommended to determine proper and efficient pesticide application. This will optimize the pesticide and surfactant load levels. While Cadence has been proven to be a highly efficient surfactant; timing, weather conditions, methods of application, crop conditions, and/or mixture with other chemicals not specifically recommended are beyond the control of the seller. Therefore, the user should carefully observe spray deposits, rate efficiencies, compatibilities and effectiveness in initial application and adjust the adjuvant rates accordingly.

#### USE RATES

**If the pesticide or active ingredient label does not have a specific recommendation for surfactant use but does not prohibit the use of a nonionic surfactant, Cadence should be applied at the rates listed below.**

**For use as spray adjuvant with herbicide:** 16 oz/100 gal or 1.6 oz/acre using a 10 gal/acre spray rate. **As an adjuvant with herbicides, micronutrients or defoliant:** 6-16 oz/100 gal of spray solution. **As an adjuvant with insecticides/miticides or fungicides:** 6-12 oz/100 gal of spray solution. **For use with aerial applications:** 12-16 oz/100 gal of spray.

#### As a Soil Wetting Agent

**Golf course tees and greens:** Apply at a concentration of 0.1% v/v, or use the following spray rates/1,000 sq ft: 1/8 oz of Cadence in 1 gal of water, or 1/5 oz of Cadence in 1.5 gal of water, or 1/4 oz of Cadence in 2 gal of water. Repeat as needed to overcome hydrophobic soil condition. Irrigation is not needed, but will help incorporate the treatment into the soil.

#### For Large Turf Areas Such as Golf Fairways

**Boom sprayers:** 0.05-0.1% (6-13 oz)/100 gal of tank mix/water. **Injection through irrigation:** Adjust proportioning valve to inject at the ration 1:1000, based on weekly application. To accommodate 100:1 proportioners, mix a 10% solution of Cadence and water and inject at 100:1. **As a mulch, peat or potting soil wetting agent:** 0.05-0.1% v/v of water (6-13 oz)/100 gal. Repeat as needed. **As a dew control agent:** 0.1% in water (13 ounces)/100 gal every 7 to 10 days. **For use with liquid fertilization:** Apply to liquid fertilizer/water solutions at 6-13 oz/100 gal of mix.

#### TECHNICAL INFORMATION

**Net Weight:** 8.92 lbs/gal

**Specific Gravity:** 1.07

**Flashpoint:** >300°F SFCC

**pH:** 85-7

**Solubility in Water at 20°C:** Soluble

**Color & Appearance:** Clear Colorless Liquid

**Odor:** Mild

**Storage Temperature - Minimum:** 40°F

**Storage Temperature - Maximum:** 120°F

**DOT/IMDG Transportation:** Not Regulated

**Registered With CDPR:** Yes

**Registered With WSDA:** Yes

#### PRINCIPAL FUNCTIONING AGENTS

Diethylene glycol, polyether-polymethylsiloxane-copolymer, alkylphenol ethoxylate, dimethylpolysiloxane...100.00%



#### PACKAGING

6 x 1 qt bottles

10 cases per pallet

Item#: CADEN1QT

4 x 1 gallon jugs

36 cases per pallet

Item#: CADEN01

2 x 2.5 gallon jugs

36 cases per pallet

Item#: CADEN02



**KALO**

Cadence is a trademark of KALO, Inc.

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Important: This information is not a substitute for the label. Always read and follow label instructions.

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