

Hydra-Knight

30 Day Soil Surfactant with Desert Plant Extract

Hydra-Knight is a multi-component soil surfactant with Desert Plant Extract. **Hydra-Knight** is designed to reduce LDS (localized dry spots) and drought stress. The multi-chemistry design of **Hydra-Knight** helps mitigate hydrophobic soils, ensures uniform hydration characteristics, and facilitates rapid rewetting without creating excess moisture in the top few inches of the soil profile. For superior soil moisture management, **Hydra-Knight** should be used on a consistent, monthly or bi-weekly basis. **Hydra-Knight** is safe for application on all turf types, including highly maintained golf greens.

PRINCIPLE FUNCTIONING AGENTS:

Blend of alkoxyated polyols and polyhydroxyethyl alkoxy alkylene oxide 98%

INERT INGREDIENTS:

Desert Plant Extract2.0%

DIRECTIONS FOR USE: Apply 4-6 ounces per 1,000 square feet every 30 days or split applications at 2.5-4 ounces per 1,000 square feet every 14 days after initial 6 ounce application. Irrigate the product into the soil profile for best results.

Density: 8.5lbs/Gallon @ 68° F Net Contents: 2.5 gallons (9.46L) Net Weight: 21.25lbs(9.64kg)

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GENERAL INFORMATION: **HYDRA Knight** is a multi-component soil surfactant purposed to reduce the effects of localized dry spots, drought stress and excessive moisture on a variety of turf types.

Hydra-Knight reduces the effects of hydrophobic soils, providing hydration and rehydration across the root zone. **Hydra-Knight** can be used throughout the season; best results have been accomplished when applied prior to the onset of moisture-induced stress conditions. When used in frequent and consistent manner, plant recovery and quality are enhanced. **Hydra-Knight** is safe on all turf types, including premier turf for golf courses, athletic fields, tennis, lawn bowling, sporting fields as well containerized plants, lawns & landscape.

DIRECTIONS FOR USE:

Sandy soils: Apply 4 to 6 fl oz. of **Hydra-Knight** per 1000 sq. ft. in 2 gallons of water (185 mL/100 m² in 8 L of water). Reapply 4-6 fl oz. per 1000 sq. ft every 7-10 days as long as symptoms prevail. Irrigation should be applied before next mowing, so not to remove any material

Native or heavier soils: Apply 4 to 6 fl oz. per 1000 sq. ft in 2 gallons of water (185mL.100 m²in 8 L of water). Reapply 3-6 fl oz. per 1000 sq. every 7-10 days as long as symptoms prevail. Irrigation should be applied before next mowing so not to remove any material.

Biweekly Program: Apply initial application of **Hydra-Knight** at 6 fl oz. of per 1000 sq. ft. in 2 gallons of water (185 mL/100 m² in 8 L of water). After initial applications, apply biweekly at 2.5-4 fl oz. per 1000 sq ft. Initial 6 fl oz. per 1000 sq ft. application are critical in maintaining a biweekly program

Sodding/Lawn, General Turf: Apply 4 to 6oz per 1000 sq. ft in 2 gallons (185 mL/100 m² in 8 L of water) reapply 4-6 oz. per 1000 sq. ft every 14 days. Continue until turf recovers. Repeat as needed

Containerized plants / Nursery / Ornamental Plantings: for injection applications, apply 134 oz / acre. For soil drench applications, apply ½% V/V ratio or 64 oz per 100 gallons of water.

Tank Mixing: **HYDRA KNIGHT** may be tank mixed with other commonly used turf chemicals and fertilizers at rates not to exceed 6 oz per 1000 sq. ft. If applicator is unfamiliar with the performance of this product in tank mixes under user's growing conditions, **HYDRA KNIGHT** should be tested prior to large-scale application. The applicator should always exercise judgment and caution when using this and all other turf products. Tank mixing **Hydra** and other products is intended as a matter of convenience; this product is not intended to enhance the performance of other tank mixed components.

PRECAUTIONARY STATEMENTS

Harmful if absorbed through skin, do not get in eyes or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment: Wear chemical resistant gloves, Long-sleeved shirt and long pants, and shoes plus socks

FIRST AID

Call a poison control center or doctor immediately for treatment advice. Have the product container with you when calling a poison control center or doctor, or going for treatment.

If Swallowed: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable mouth to mouth if possible.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue to rinsing eye.

STORAGE: Store in a cool, dry place. Store in original container only. Do not add anything to the container. Keep container tightly sealed when not in use. Do not store near fire, flame or other potential sources of ignition.

DISPOSAL: Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading. Recycling decontaminated containers is the best method of disposing containers if allowed by law. The Agriculture Recycling Container Counsel (ACRC) operates the national recycling center program. To contact your state and local ACRC visit the ACRC website at www.acrcycle.org. Decontaminated containers and materials must be disposed of in a manner allowed by local, state and federal laws and regulations.

CLEAN UP: Rinse each spray tank out after each use and flush thoroughly.

WARRANTY STATEMENT: Landscape Supply, Inc.

represents and warrants that its products are manufactured in accordance with the products specification and that its products at the time of delivery to the purchaser shall be free from all material defects. Custom Agronomics makes no warranty of any kind, expressed or implied, concerning the product, including but not limited to the implied warranties, merchantability, and fitness for a particular purpose are disclaimed. Further it is understood and agreed that liability will not exceed that of the return amount of the purchase price paid by the purchaser. And under no circumstances shall Landscape Supply, Inc be liable for special or indirect, incidental, circumstantial or punitive damages. Any use not in

accordance with the product directions and precautionary statements, or modifications or additives, adulterations, dilutions or alterations by the purchaser shall void this warrant.

Manufactured Exclusively For:

HydraSmart
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