

# Extend Soil-Applied Herbicide Activity with VARIANT™



## Soil Surfactant and Soil Retention Agent

Unlike traditional soil surfactants, VARIANT™ contains technology with a unique molecular structure with a water-attracting, oxygenated component that delivers increased efficacy and residual performance of certain soil-applied herbicides. VARIANT can be applied separately for treatment of soils, or tank mixed with a wide range of herbicide sprays. VARIANT is tank mix compatible with a range of contact or systemic herbicides that are formulated for multiple modes of action.

### KEY BENEFITS

#### EXTEND HERBICIDE SPRAY PERFORMANCE.

Can be used in advance, or as a tank mix partner, to treat soils for extending performance of herbicide sprays

#### KEEP HERBICIDE IN GERMINATION ZONE.

Unique blend of vegetable oil derived surfactant and resins keep more herbicide in the plant germination zone for extended control

#### INCREASE ADSORPTION.

Improves herbicide performance by increasing the adsorption of soil residual herbicides in the upper soil profile

#### AFFINITY FOR ACTIVE INGREDIENTS.

Provides a higher density of active ingredients and smaller molecular surface area that exhibit an affinity for the herbicide active ingredients

#### OVERLAP OF HERBICIDE PROGRAMS.

Allows residual herbicide programs to overlap which assists in controlling resistant weeds

#### POLYMERIZED RESINS/FATTY ACIDS.

Polymerized resins and fatty acids found in VARIANT enhance adsorption to soil and reduces leaching

#### NATURAL RENEWABLE RESOURCES.

The fatty compound in VARIANT is derived from naturally renewable resources

#### RAINFALL CONDITIONS.

Improves activation of herbicides under low or high rainfall conditions



### USE RATE RANGE

#### 4 to 20 FLUID OUNCES PER ACRE

Spray Applied Use Rates for Soil Types at Spray Volume of 10-15 GPA

|                |                                     |            |
|----------------|-------------------------------------|------------|
| <b>Coarse:</b> | Sand and Loam Type                  | 12-16 oz/A |
| <b>Medium:</b> | Loam and Silt Loam, Sandy Clay Loam | 6-20 oz/A  |
| <b>Fine:</b>   | Sandy Clay, Silt Clay Loam and Clay | 4-8 oz/A   |

VARIANT is most effective when applied in concentration as a spray application.



Contact KALO at (800) 255-5196 to learn more about Variant.

[www.KALO.com](http://www.KALO.com)

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