



**WiseUp!**  
**Bio-Weed**  
**Control**  
(Non Selective,  
FIFRA 25b Exempt)

**Features &  
Advantages**

*WISE Up!* Bio-Weed Control™ is an extremely effective colloidal green chemistry solution. This is a new approach to weed control that uses a colloidal suspension to penetrate into a weed leaf. This breaks down the plant's protective waxy coating into billions of little particles, which denatures and kills the weed. *WISE Up!* Bio-Weed Control can be used in conventional hand and commercial sprayers.

Made from 100% renewable source materials, Wise colloidal products are safe for users and safe for the environment. This product will not adversely affect soil or water systems. There is no adverse affect on humans.

- |                                |   |                           |
|--------------------------------|---|---------------------------|
| ✓ Petrochemical Free           | ✓ Requires no applicator license          | ✓ High performance        |
| ✓ Reduces risk and liabilities | ✓ Contains no FIFRA regulated ingredients | ✓ Highly concentrated     |
| ✓ Improved worker safety       | ✓ Made from renewable resources           | ✓ Safe for use on fabrics |
| ✓ Reduces risk and liabilities | ✓ Contains no WHIMS regulated ingredients | ✓ Will not harm people    |
| ✓ Reduces cost of disposal     | ✓ Reduced worker health risks             | ✓ Safe for animals        |
| ✓ Less regulatory hassle       | ✓ Does not react with other chemistries   | ✓ No hydrocarbon mess     |

*WiseUp!* Bio-Weed Control does not contain ozone-depleting substances, synthetics, terpenes, petroleum distillates, glycol ethers, caustics, builders & reagents, nor any California Proposition 65 Chemicals.

**Product Uses and  
Applications**

- |                   |                 |
|-------------------|-----------------|
| ▪ Broadleaf Weeds | ▪ Wild Onion    |
| ▪ Thorns          | ▪ Clover        |
| ▪ Dandelions      | ▪ Ground Ivy    |
| ▪ Shepherds Purse | ▪ Spurge        |
| ▪ Thistles        | and many others |
| ▪ Poison Ivy      |                 |

**Technology  
Highlights**

The colloidal chemistry creates nano-sized particles called micelles which give our products superior performance. Unlike traditional acetic acid (vinegar) formulations, which cannot completely penetrate the waxy layer (thus causing only temporary die-off), the micelles in our formula emulsify the waxy layer, allowing the active ingredients to penetrate at the cellular level (preventing further photosynthesis), causing permanent die-off. As with all non-selective herbicides, care should be taken to prevent overspray from affecting non-targeted plants or grasses.

Micelles are sub-microscopic, electrically charged particles that, when activated in water, repel each other in a ceaseless random movement. Micelles in liquid solution measure only 2 to 4 nanometers in size, 50 to one hundred times smaller than the particles created from typical cleaners and detergents. This small size and their extreme surface area-to-volume ratio enable the micelles to penetrate and encapsulate complex carbon molecules, and emulsify organic matter. This highly effective Wise Green Chemistry product kills the targeted plants without toxic affects to people or the environment.



## Performance Biolubricants and Colloidal Cleaners



### Specifications

### WiseUp! Bio-Weed Control (cont'd)

**100% Biobased Ingredients** – alkanolamines, amino acids, plant/vegetable extracts, nonionic surfactants, plant-based fatty acids and organic alcohol in a base of colloidal micelles.

**RADIOCARBON C-14** (5/10/04) USDA approved testing to meet requirements for product tested at 84 (range 83-91; N=8), Minimum biobased contact n=5.

**CLEAN AIR SOLVENT:** SCAQMD method 313-91 NO VAHAP, ODC or GWC detected.

**CARCINOGENICITY:** No ingredients listed by IARC, ACGIH, NTP or OSHA as a carcinogen.

<b>Active Ingredients:</b>	100%	<b>Color:</b>	Amber*
<b>Abrasives:</b>	None	<b>Base:</b>	Plant Extracts
<b>Odor:</b>	Faint odor	<b>Emulsification:</b>	N/A
<b>Foam:</b>	None	<b>Detergency:</b>	N/A
<b>Freezing Point:</b>	28.0 F	<b>Freeze/Thaw Stability:</b>	Keep from freezing
<b>Phosphate Content:</b>	None	<b>Rinsability:</b>	Complete
<b>Solubility:</b>	100% soluble	<b>Storage/Stability:</b>	2 years
<b>pH:</b>	4.8	<b>Weight per Gallon:</b>	8.54 lbs./gal.
<b>Viscosity:</b>	slight	<b>Biodegradability:</b>	99.999%

\* NO COLORING or CHELATING AGENTS have been added. Color will vary. Product contains plant-based essential oils and color variations are normal. Efficacy will remain the same.

WISE Solutions, Inc. represents that all ingredients are on the EPA list of low risk active/inert ingredients and this product qualifies for exemption from registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), per EPA PR Notice 2006-6 minimum risk criteria under FIFRA Section 25(b) (40CFR152.25). This product is not registered with the EPA.

For more info: [www.epa.gov/PR\\_Notices/pr2000-6.pdf](http://www.epa.gov/PR_Notices/pr2000-6.pdf)

**CAUTION:** For external use only. Do not eat. Wear appropriate eyewear and gloves when applying the product. Avoid contact with eyes. If eye contact occurs, rinse carefully with water for 15 minutes. If present, remove contact lenses, then continue to rinse the eye. If irritation persists or product is swallowed, contact a physician. Storage and Disposal: Store in a cool, dry place away from direct sunlight. If spilled, floor may be slippery. Use care to prevent injury. Dispose per local, state and federal regulations.

### Suggested Dilutions

SHAKE WELL or agitate before use. Use as is, or dilute 1-5 parts concentrate to 1 part water (20-128 oz. of concentrate to 1 gal. water). Most dilute: 1 part concentrate / 5 parts water.

Apply using preferred method: Hand pump sprayer, tractor mounted spray rig, or aerial sprayer. A hand held pump will enable selective targeting of specific vegetation. Spray the foliage and the ground around the stalk.

**For best results**, spray when weeds are in the sun to allow optimal penetration.

If results are slow for certain mature weed types, increase concentration or frequency of spraying. In colder weather, also consider applying earlier in the day because products works best if applied at temperatures above 55 degrees F.

### To Order

Fax to 831-728-1753 or call 800-491-9473 for Customer Service  
Visit [www.wisesolutions.net](http://www.wisesolutions.net) or Email [sales@wisesolutions.net](mailto:sales@wisesolutions.net)

Available Size  
Container

Quantity (min.)

1 gal. Bottle	5 gal. Pail	55 gal. Drum	330 gal. Tote