



# BUCKHORN™ TOTAL

## Deposition Aid/Drift Control Agent

CHS Buckhorn™ Total is a deposition aid/drift control agent that improves the droplet spectrum of spray solutions without altering the viscosity of the solution. The percentage of fine droplets, which are the most susceptible to drift, is significantly reduced, thereby increasing deposition and reducing drift of the spray away from the target.



- CHS Buckhorn Total will not significantly increase the number of extremely large droplets that reduce deposition and are susceptible to droplet “bounce.”
- CHS Buckhorn Total spray spectrum will be more consistent and droplets will be closer to optimum size.
- CHS Buckhorn Total increases spray droplet retention on leaf surfaces while minimizing “bounce” or runoff.
  - Typical use rate is 4-6 oz/A
    - Rate range can vary from 2-6 oz/A
    - See label for more specific rate recommendations
  - Package Sizes:
    - 2x2.5 gallon case
    - 275 gallon

**Always Read All Pesticide and Adjuvant Labels Prior to Use**



# BUCKHORN™ TOTAL

## Drift Control Agent, Deposition Aid

### Principal Functioning Agents:

Soybean oil methyl ester, petroleum hydrocarbons, fatty acids of tall oil .....	99.7%
Constituents ineffective as spray adjuvants .....	0.3%
<b>TOTAL</b> .....	<b>100%</b>

WA Reg. No. 86806-1306

All ingredients are exempt from tolerance under 40 CFR 180.

## KEEP OUT OF REACH OF CHILDREN CAUTION

Causes moderate eye irritation. Harmful or fatal if swallowed. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Do not eat, drink, smoke or chew gum while using this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. In addition, follow precautionary statements on all products used with this material. Clean affected clothing, shoes, and protective equipment before reuse.

**Personal Protective Equipment:** Wear chemical-resistant eyewear and gloves, long-sleeve shirt and pants and shoes and 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, preferably 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 rinsing eye.

Note to physician: Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

### GENERAL INFORMATION

CHS® BUCKHORN™ TOTAL is engineered to improve spreading and the deposition of pesticide applications by maximizing the number of spray droplets within the ideal size range for drift reduction. The degree of drift hazard varies with the type of pesticide, application conditions and the vegetation near the treated area. CHS BUCKHORN TOTAL is intended to be a management tool to reduce drift and improve the deposition of the active ingredient in the spray solution. CHS BUCKHORN TOTAL does not produce large spray droplets like other polymer drift products. Internal cohesion of the components helps to prevent droplet shearing into fines which move off-target into sensitive areas.

### DIRECTIONS FOR USE

#### NOT FOR AQUATIC USE

CHS BUCKHORN TOTAL may be mixed with pesticides in conventional spray equipment and

### STORAGE AND DISPOSAL

**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. Do not contaminate water, food or feed by storage or disposal of this product. For optimal storage, store between 40° and 90° F.

**Disposal:** Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading. Recycling decontaminated containers is the best option of container disposal if allowed by law. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at [www.acrcycle.org](http://www.acrcycle.org). Decontaminated containers and materials must be disposed of in a manner allowed by local, state and federal laws and regulations.

**Conditions of Sale and Warranty Limitation:** The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of West Central Inc. or the seller. All such risks shall be assumed by the buyer. West Central Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. West Central Inc. makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty. In no case shall West Central Inc. or the seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. West Central Inc. and the seller offer this product, and the Buyer and the User accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of West Central Inc.

## NET CONTENTS:

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should always be the last component added prior to filling the spray tank with water. CHS BUCKHORN TOTAL may also be applied through direct injection systems when pumped with proper amount of water. Do not pre-mix with emulsifiable concentrates or aqueous solutions. **NOTE:** When combining new or unfamiliar components in any tank mix, the applicator should conduct phytotoxicity and jar tests to assure compatibility and avoid damage to non-targeted species.

### Order of addition

In general, follow the W-A-L-E-S plan when adding herbicides to a tank mix.

1. Wettable Powders (WP) then Flowables (F, DF)
2. Agitate then add adjuvants such as anti-foaming compounds, buffers
3. Liquid and Soluble products
4. Emulsifiable concentrates (EC)
5. Surfactants or other adjuvants

Prior to mixing you should fill your spray tank with half of the carrier you intend to use, usually water. Then start the sprayer and check to make sure that all valves and gauges work and that you have proper tank agitation.

### USE RATES

Herbicides and fungicides	Suggested Use Rates Per Acre
Emulsifiable Concentrates and Aqueous Based Solutions	4 to 6 ounces of CHS BUCKHORN TOTAL
Dry Flowable-Wettable Powders and Liquid Flowables	4 ounces of CHS BUCKHORN TOTAL
<b>Insecticides</b>	<b>2 to 4 ounces of CHS BUCKHORN TOTAL</b>

**NOTE:** Do not exceed 1% v/v of the spray solution.

A BRAND OF

