

# **BUFFERING**

## General Information

### GENERAL INFORMATION

OPTIMA is a specialized formulation of surfactants and buffering agents which improves application while buffering the spray mix pH. OPTIMA can positively affect both pesticide spray application and pesticide efficacy. OPTIMA is designed primarily to be applied with herbicides which utilize glyphosate as the active ingredient.

\*However, it is also suitable and effective for most pesticides and nutritional products which can be used with wetter/spreader type adjuvants. Optimum application and consequent effects can be influenced by many factors. Therefore, it is recommended that careful observation of the spray deposit be made and the adjuvant rate be adjusted accordingly to ensure thorough coverage without undue runoff.

\*Do not mix OPTIMA with herbicide products that contain active ingredients based on DSMA or Sulfonyl-urea chemistry.

### DIRECTIONS FOR USE

FOR USE WITH HERBICIDES REGISTERED FOR : AGRICULTURAL, FORESTRY, INDUSTRIAL, MUNICIPAL, ORNAMENTAL, RIGHTS-OF-WAY, TURF, NON-CROPLAND AND OTHER USES.

The addition of an adjuvant to some pesticides or pesticide tank-mix combinations may cause phytotoxicity to the foliage and/or fruit of susceptible crops. Prior to the addition of OPTIMA to spray tank-mixes, the user or application advisor must have experience with the combination or must have conducted a phytotoxicity trial.

OPTIMA may be applied by ground, cda, or aerial spray equipment. For most applications, use enough OPTIMA to allow for uniform wetting and deposition of the spray onto leaf surfaces without undue runoff.

### Limitations, Restrictions, and Exceptions

Buffering: to obtain an initial buffering effect, use a minimum of 3 pints per 100 gallons of spray. Rates may be adjusted as water conditions vary. The use of a pH-measuring device is recommended to determine a suitable OPTIMA rate.

Do not add adjuvant at a level that would exceed 5% vv of the finished spray volume.

NOTE: The above use recommendations are considered to be adequate for most uses. Some herbicides, however, may require higher or lower rates for optimum effect. Follow the pesticide label directions when this occurs.

Method

[Spray](#)

Rates

[field\\_rates 0](#)

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