

2.2.5 Adjuvants

Products with labelling that recommends the addition of a separately packaged adjuvant to the spray tank should be supported with information indicating the benefits and/or detrimental effects, if any, associated with the addition of the adjuvant.

Information to support the use of adjuvants with pest control products can be in the form of use history, scientific rationales, published information, or trial data. The adjuvant rate should be included on the pesticide product label if it is not stated on the adjuvant label itself. If a range of adjuvant rates is proposed, the performance of the minimum and maximum rates should be addressed, including an indication of how to select the appropriate rate.

The performance of the tank mix of the pest control product and the adjuvant should be discussed, relative to the pest control product alone and the pest control product tank mixed with a registered adjuvant, if available.

The value of the addition of the adjuvant may be assessed in terms of increased level, duration or consistency of control, or increased spectrum of activity with respect to the range of pests controlled, or the growth stages at which they are controlled. Information related to host crop tolerance should be provided to assess the potential for increased injury to the crop associated with the addition of the adjuvant.

Two major categories of adjuvant products are commonly tank mixed with pesticides: non-ionic surfactants and crop oil concentrates. Regulatory experience indicates that adjuvant products within each of these two categories do not normally differ significantly in their ability to affect the performance of the pesticide with which they are used. Although differences in pest control and crop injury may be observed when interchanging one adjuvant product for another within the same category, these differences are considered to be acceptable.

Accordingly, the registrant of a pesticide product has the option to identify specific non-ionic surfactant products or crop oil concentrate products to be used in conjunction with the pesticide product, or to propose a generic reference to non-ionic surfactants or crop oil concentrates. If a generic reference is proposed, information would need to be submitted only for one representative product for each category.

2.2.6 Water Volumes

Information to support water volumes may be addressed within information relating to product performance. For end-use products containing a new active ingredient, value information should be provided to support the minimum water volume for ground application. If only research trials are being submitted, three efficacy trials that include side-by-side treatments consisting of the proposed high and minimum water volumes should be included.

Minimum water volumes for aerial application of pesticides are generally less than those for ground application. All supporting information for the aerial application claim may be generated from ground application trials, or based on use history information, if available. To support an