

METHODOLOGICAL DESCRIPTION TO PAPERS ABOUT PESTICIDES APPLICATION

Otávio J. G. Abi Saab, Marcelo G. Balan and Ricardo Ralisch

UEL, Londrina, Brasil, abisaab@uel.br, UNICENTRO, Campo Mourão, Brasil, UEL, Londrina, Brasil

Abstract: Chemical control is an essential tool in the management and control of pests, plant diseases and weeds. Insufficient details on pesticides application methods have been observed in most scientific publications [1]. Through a review of 600 papers was investigated the presence or absence of basic information on the application method. The results showed that the minimum descriptions required about the pesticides application technique are not performed. Highlights include the insufficient droplets spectrum description (85.5% of 600 papers); operation pressure (15.83%); dilution (27.33%); nozzle position (56.67%); air temperature (58%); relative air humidity (60.33%) and wind speed (64.67%). The only one information found in all papers was the application rate ($L \cdot ha^{-1}$). In order to change this, and allow understanding the pesticide and spraying relationship, the description must address details of the pesticide, equipment, weather, safety and how it was applied.

Reference:

MATTHEWS, G. A. 2004. How was the pesticide applied? **Crop Protection** 23: 651-653.