

(PREVIEW)

IS : 11429 - 1985

# *Indian Standard*

## **METHODS FOR CALIBRATION OF SPRAYERS**

### **1. SCOPE**

**1.1** This standard specifies the methods for calibration of boom and boomless type sprayers.

### **FOREWORD**

**0.1** This Indian Standard was adopted by the Indian Standards Institution on 20 November 1985, after the draft finalized by the Crop Protection Equipment Sectional Committee had been approved by the Agricultural and Food Products Division Council.

**0.2** Sprayers play an important role in the successful application of pesticides. But with the continuous use of sprayers the pump and the spray nozzle may get worn out. Further strainers and the nozzles may get choked. All these defects would cause the rate of discharge of spray fluid to be different from what is originally declared by the manufacturer. Therefore, to check the output of a sprayer, calibration of sprayers, is necessary. This standard deals with the establishment of a calibration procedure for sprayers.

**0.3** In preparation of this standard assistance has been derived from ASAE EP 367-1 Guide for preparing field sprayer calibration procedures, issued by the American Society of Agricultural Engineers.

**0.4** For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS : 2-1960\*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

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\*Rules for rounding off numerical values ( *revised* ).