

1970/128



THE AGRICULTURAL CHEMICALS (PELLETED INSECTICIDE SPECIFICATION) NOTICE 1970

PURSUANT to the Agricultural Chemicals Regulations 1968*, the Director-General of Agriculture hereby gives the following notice.

NOTICE

1. Title and commencement—(1) This notice may be cited as the Agricultural Chemicals (Pelleted Insecticide Specification) Notice 1970.
(2) This notice shall come into force on the 1st day of July 1970.

2. Interpretation—In this notice, references to sieve sizes shall be construed as references to sieve sizes prescribed in and complying with NZSS 196—Test Sieves (BS 410: 1962).

3. Specifications for pelleted formulations of insecticides—Pelleted formulations containing any insecticide specified in the Second Schedule to the Agricultural Chemicals Regulations 1968* shall conform to the specifications set out in the First Schedule to this notice, and shall not be applied to any land, pasture, or plant life at a rate of less than 6½ lb per acre.

4. Methods of testing pelleted formulations—To determine whether any pelleted formulation containing any such insecticide conforms to the specifications required by this notice, the methods of testing set out in the Second Schedule to this notice shall be used.

SCHEDULES

FIRST SCHEDULE

Specifications for Pelleted Preparations Containing Insecticides

Pelleted formulations containing any such insecticide shall be compounded from the insecticide either in solution or after grinding to such a fineness that 95 percent thereof by weight shall pass by wet sieving through a No. 300 mesh sieve, and shall also comply with the following specifications:

- (a) *Range of Pellet Size*—The pellets shall be of such size that no more than 2 percent by weight passes through a No. 25 mesh sieve; and if the quantity of pellets to be or being applied per acre is 6½ lb or more but less than 10 lb, not more than 5 percent by weight shall be retained by a No. 14 sieve; or if the quantity of pellets to be or being applied per acre is 10 lb or more but less than 20 lb, not more than 5 percent by weight is retained by a No. 10 mesh sieve; or if the quantity to be or being applied per acre is 20 lb or more, not more than 5 percent by weight is retained by a No. 6 mesh sieve.
- (b) *Content of Fines*—Not more than 0.5 percent of the insecticide content shall pass through a No. 36 mesh sieve.
- (c) *Bulk Density*—The bulk density of the pellets shall be determined by the method set out in the Second Schedule to this notice and shall not be less than 800 gms and not more than 1,280 gms per litre (not less than 50 lb and not more than 80 lb per cubic foot).
- (d) *Resistance to Abrasion*—When subjected to the abrasion test set out in the Second Schedule to this notice, not more than 15 percent by weight of the insecticide content shall pass through a No. 30 mesh sieve.

SECOND SCHEDULE

Methods of Testing Formulations

1. *Sieving*—In sieving tests to determine whether any material meets the standards specified in this notice, the sieving shall be carried out by “Rotap” or similar equipment for a period of 5 minutes and, unless the circumstances otherwise require, using a representative sample of the material of approximately 100 gms, weighed to the nearest centigram.

2. *Determination of Bulk Density*—A representative sample of the material not less than 907 gms (2 lb) weight shall be taken. From this a portion of approximately 200 gms, weighed to the nearest decigram, shall be taken and placed in a clean, dry, glass measuring cylinder of sufficient capacity, graduated in millilitres and held vertically. The measuring cylinder shall be tapped lightly until the pellets assume a minimum volume, and the volume of the pellets shall be read as accurately as possible. From the reading obtained and the weight of the sample, the weight per litre (or per cubic foot) of the pellets shall then be calculated.

3. *Abrasion Test*—A representative sample of the material not less than 907 gms (2 lb) weight shall be taken and gently mixed to ensure uniformity. The insecticide content by weight of this sample shall be determined by analysis of a portion of it. A further portion of the sample shall then be taken for subjection to the abrasion test, specified below, which shall consist of approximately 100 gms, weighed to the nearest centigram. This portion shall be tumbled for 5 minutes with two steel balls of a diameter of 2.54 cms (1 in.), in a simple ball mill consisting of a glass jar with an internal diameter of approximately 9 cms and a length of approximately 9½ cms, rotating on the horizontal axis at a speed of

66 r.p.m. The material tumbled shall then be subjected to dry sieving with a No. 30 mesh sieve, and the weight of material which passes the sieve shall be determined. The insecticide content of the fraction which passes the No. 30 mesh sieve shall then be determined and expressed as a percentage of the insecticide content of the portion of the sample which was taken for the abrasion test.

Dated at Wellington this 23rd day of June 1970.

A. T. JOHNS, Director-General of Agriculture.

Issued under the authority of the Regulations Act 1936.

Date of notification in *Gazette*: 25 June 1970.

This notice is administered in the Department of Agriculture.