



THE AGRICULTURAL CHEMICALS NOTICE 1968

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

NOTICE

1. This notice may be cited as the Agricultural Chemicals Notice 1968.

2. For the purposes of this notice, the term "dairy cattle" means all cattle, including goats, that are reared or used for dairy purposes.

3. Granulated DDT/superphosphate, or any other granulated preparation of fertiliser and DDT prepared from a mixture of fertiliser and finely-divided DDT, or any pelleted formulation of finely-divided DDT, either alone or mixed with fertiliser or other substance (not including an insecticide contained in the Second Schedule of the Agricultural Chemicals Regulations 1968) may, if registered pursuant to the Fertilisers Act 1960 or the Agricultural Chemicals Act 1959, be applied to any land, pasture, or plant life, subject to the terms and conditions set out in the First Schedule to this notice:

Provided that no such preparation shall be so applied unless it complies with the specifications for the material concerned set out in the Second Schedule to this notice:

Provided also that pelleted formulations of finely-divided DDT shall be applied at a rate of not less than 6 $\frac{3}{4}$ lb per acre.

4. Application of the materials referred to in clause 3 of this notice shall not be limited by the terms and conditions set out in the First Schedule to this notice when applied to any land occupied by any horticultural producer and used only for horticultural purposes, or when applied to any horticultural crop or nursery plants, not intended for feed or production of feed for livestock, produced on such land.

5. Pelleted formulations of the insecticides specified in the Second Schedule to the Agricultural Chemicals Regulations 1968 (other than DDT) either alone or mixed with superphosphate or other fertiliser or substance shall not be applied to any land, pasture, or plant life unless the pellets conform to the specifications set out in Part II of the Second Schedule to this notice and unless the pellets are applied at a rate of not less than 6 $\frac{3}{4}$ lb of pellets per acre.

6. The methods of testing granulated DDT/superphosphate or any other granulated preparation of fertiliser and DDT prepared from a mixture of fertiliser and finely-divided DDT, and pelleted formulations

of the insecticides specified in the Second Schedule to the Agricultural Chemicals Regulations 1968, shall be those set out in the Third Schedule to this notice.

SCHEDULES

FIRST SCHEDULE

Application of Granulated DDT/Superphosphate or Pelleted Formulations of Finely-Divided DDT

1. Notwithstanding anything in clause 3 of this schedule, no application of any material to which clause 3 of this notice applies shall be made to any pasture, fodder crop, or seed or grain crop, if the pasture, crop, or the straw or the aftermath of the crop is intended to be grazed by or fed to any dairy cattle.

2. No such application shall be made to any area if the area is to be sown for the production of any pasture, fodder crop, or grain crop, if the pasture, crop, or the straw or aftermath of the crop is intended to be grazed by or fed to any dairy cattle.

3. Subject to clauses 1 and 2 of this Schedule, no such application shall be made to any area, pasture, or fodder crop, or to any seed or grain crop, the straw or aftermath of which is intended as food for livestock, except as follows:

- (a) All livestock shall be removed therefrom before the application is made and livestock shall not be grazed thereon before the expiry of 4 weeks after the date of application:
- (b) The pasture or crop on the area shall not be wet at the time of application:
- (c) Not more than 2 lb of *para para isomer* of DDT shall be applied per acre to any area in any period of 12 months:
- (d) Where the application is to pasture, the height of pasture at the time of the application shall not be more than—
 - (i) One inch, if the pasture is to be grazed by sheep; or
 - (ii) Three inches, if the pasture is to be grazed by cattle:
- (e) Not more than one-third of the total acreage of pasture and fodder crop on any one landholding shall be treated in any period of 12 weeks, and no application of DDT shall be made to any portion of the remainder of the landholding in pasture or fodder crop until 12 weeks have elapsed since the last application to the portion previously treated.

SECOND SCHEDULE

PART I

Specification for Granulated DDT/Superphosphate and Other Granulated Preparations of Fertiliser and DDT

Granulated DDT/superphosphate and other granulated preparations of fertiliser and DDT prepared from a mixture of fertiliser and finely-divided DDT shall contain not more than 2 percent by weight of the *para para isomer* of DDT and shall be of such size that the whole of the material will pass a sieve having an aperture $\frac{1}{16}$ in. square, and not

SECOND SCHEDULE—*continued*

more than 2 percent of the total weight of the material will pass a No. 25 mesh sieve. The DDT contained in that part of the material that passes a No. 25 mesh sieve shall bear to that part the same proportion by weight as the DDT contained in the whole of the material bears by weight to the whole of the material. Not more than 0.5 percent of the DDT content shall pass a No. 36 mesh sieve. The material shall be formulated so that when subjected to the abrasion test described in the Third Schedule to this notice, the amount of DDT in the resulting fines passing a No. 30 mesh sieve does not exceed 15 percent by weight of the DDT present in the sample.

PART II

Specification for Pelleted Preparations of Insecticides Specified in the Second Schedule to the Agricultural Chemicals Regulations 1968

Pelleted formulations of insecticides specified in the Second Schedule to the Agricultural Chemicals Regulations 1968 shall be compounded from the insecticides either in solution or after grinding to such a fineness that 95 percent thereof by weight shall pass by wet sieving 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 a No. 25 mesh sieve; and if the quantity of pellets applied per acre is $6\frac{3}{4}$ lb or more, but less than 10 lb, not more than 5 percent by weight shall be retained by a No. 14 mesh sieve; or if the quantity of pellets 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 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 a No. 36 mesh sieve.
- (c) *Bulk Density:* The bulk density of the pellets shall be determined by the method prescribed in the Third Schedule to this notice and shall be not less than 800 grams and not more than 1,280 grams per litre (or not less than 50 lb and not more than 80 lb per cubic foot).
- (d) *Resistance to Abrasion:* When subject to the abrasion test prescribed in the Third Schedule to this notice, not more than 15 percent by weight of the insecticide content shall pass a No. 30 mesh sieve.

THIRD SCHEDULE

Methods of Testing Formulations

1. *Sieves:* In this notice references by number to mesh sizes of sieves are to those set out in NZSS No. 196—Test Sieves. (B.S. 410 : 1962).

2. *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 approximately 100 grams, weighed to the nearest centigram.

THIRD SCHEDULE—*continued*

3. *Determination of Bulk Density:* A representative sample of the material not less than 2 lb in weight shall be taken. From this a portion of approximately 200 grams, weighed to the nearest $\frac{1}{10}$ gram, shall be taken and placed in a clean, dry glass measuring cylinder of sufficient capacity, graduated in millilitres, and held vertically. The 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 pounds per cubic foot) of the pellets shall then be calculated.

4. *Abrasion Test:* A representative sample of the material, not less than 2 lb in 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 grams, weighed to the nearest centigram. This portion shall be tumbled for 20 minutes with two steel balls of a diameter of 2.54 cms in a simple ball mill consisting of a glass jar with an internal diameter of approximately 9 cms and a length of approximately $9\frac{1}{2}$ 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 6th day of November 1968.

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

Issued under the authority of the Regulations Act 1936.

Date of notification in *Gazette*: 14 November 1968.

This notice is administered in the Department of Agriculture.