

FERTILIZERS FOR RECREATIONAL AREAS (PARKS, LAWNS, HOME GARDENS, ETC)

January 2004

Incitec Pivot Limited does not market fertilizers in small packs (less than 25 kg) specifically for the home garden market. There are times, however, when our products are purchased in agricultural packs, e.g. 25, 40 and 50 kg, for use in home gardens and on recreational areas, e.g. parks and sporting fields.

PLANT NUTRIENTS

Apart from air and water, plants need an adequate supply of nutrients for growth. These nutrients are obtained from the soil. Not all soils are fertile enough to completely satisfy plant nutrient demands. In other situations, soils that are initially quite fertile may become depleted in one or more nutrients over the passage of time, or the more fertile topsoil may have been lost or removed during land development.

In these situations, fertilizers are necessary to sustain healthy plant growth. While there are many essential plant nutrients, those most commonly required are nitrogen (N), phosphorus (P) and potassium (K). These nutrients can be applied separately, or as complete NPK fertilizers, which allow all three of these nutrients to be applied simultaneously.

FERTILIZER LABELS

The fertilizer label shows the NPK analysis of the fertilizer, in that order.

The analyses of the secondary nutrients, sulfur (S), calcium (Ca) and magnesium (Mg), where present, are then listed, followed by the micronutrients (trace elements).

In addition, the concentration of various impurities will also be declared, plus any Warning Statements.

This includes the heavy metals, cadmium (Cd), lead (Pb) and mercury (Hg). These are present as impurities in the raw materials from which fertilizer is made, e.g. phosphate rock.

Warning Statements are required if the heavy metal concentrations exceed the background levels typically present in agricultural soils. These have been set at 1 mg/kg Cd, 20 mg/kg Hg and 0.2 mg/kg Hg.

Mostly, the heavy metals present will be of no concern.

If vegetables are to be grown, and phosphorus is to be applied at high rates, it is recommended that products containing less than 100 mg Cd/kg P be used.

COMMONLY USED FERTILIZERS

The analyses of some of the more commonly used fertilizers in lawns and home gardens are shown in the following tables.

Note. "Incitec Pivot Low Cad Super" which has a lower cadmium content (< 100 mg Cd/kg P) should be used instead of Incitec Pivot SuPerfect or Incitec Pivot Super in home garden vegetable plots.

Northern Territory, Queensland, Northern NSW

Product	Analysis			
	%N	%P	%K	%S
Incitec Pivot Urea	46			
Incitec Pivot Super		8.8		11.0
Incitec Pivot Muriate of Potash			50	
Incitec Pivot CK 55	13.2	14.7	12.3	1.2
Incitec Pivot CK 88	15.1	4.4	11.5	13.6
Incitec Pivot Q5	5.3	5.8	5.0	13.3
Nitrophoska Blue Special	12.0	5.2	14.1	6.0



Because the land is your life.

New South Wales

Product	Analysis			
	%N	%P	%K	%S
Incitec Pivot Urea	46			
Incitec Pivot Super		8.8		11.0
Incitec Pivot Muriate of Potash			50	
Incitec Pivot Grower 11	9.6	14.5	9.5	4.6
Incitec Pivot No 17 Hunter Special	8.5	3.6	7.4	17.7
Incitec Pivot Multigro	10.1	3.5	5.5	16.3
Incitec Pivot Sydney Lawn Food	9.1	3.9	4.9	17.7
Incitec Pivot G5	5.0	6.0	4.5	13.3
Shirleys Banana Special	6.6	4.3	5.3	11.8
Shirleys No 17 Lawn Food	9.1	3.9	4.9	17.7
BASF Nitrophoska Blue Special	12.0	5.2	14.1	6.0

Southern NSW, Victoria, South Australia

Product	Analysis			
	%N	%P	%K	%S
Incitec Pivot Urea	46			
Incitec SuPerfect		8.8		11.0
Incitec Pivot Muriate of Potash			50	
Incitec Pivot Complete 5, 2 & 1	4.8	5.7	5.9	12.6
Incitec Pivot Complete 4, 4 & 1	9.0	3.9	5.6	15.3
Croplift 200	11.6	5.0	15.8	11.0
Croplift 800	8.0	10.6	10.0	7.1
Croplift 900	15.9	7.6	9.0	11.0
BASF Nitrophoska Blue Special	12.0	5.2	14.1	6.0

Incitec Pivot Limited 70 Southbank Bvd, Melbourne 3006
ABN 42 004 080 264 Freecall 1800 333 197 www.incitecpivot.com.au



Because the land is your life.