

FERTFACTS

BLEND FACT SHEET

- Over 500 “Range Blends” to meet varying crop, soil and climatic conditions;
- “Custom Blends” available on firm order to meet individual farmer needs.

A blend (or fertiliser mixture) is one in which two or more different dry fertiliser products have been physically mixed together.

Blends allow fertiliser suppliers to source a limited range of fertilisers for use as blend ingredients, yet provide a wide range of blended products of varying nutrient content.

Without blends, farmers would have to use compounds, the number of which are limited and typically come at a higher price, or go over their land a number of times to apply fertiliser.

Incitec Pivot Fertilisers has over 500 different blends on its product range to service farmer needs in South Australia, Tasmania, Victoria, New South Wales, Queensland and the Northern Territory.

Custom blends are also provided on request.

Incitec Pivot blends are available from strategically placed distribution centres throughout eastern and southern Australia.

Australian agriculture is diverse, embracing tropical and temperate regions, irrigated and rain-grown crops, and a wide variety of crops, pastures and soil types. Cultural practices and fertiliser application methods also vary. Consequently, a wide variety of fertilisers are required.

It would not be possible to meet this demand with compound fertilisers which require long production runs. With compounds, only a limited range of products can be offered.



COMPATIBILITY

Not all ingredients are compatible with one another. As an example, urea and Cal-Am are incompatible in dry blends. The resultant blend will rapidly absorb moisture from the air.

There are also minimum and maximum limits to the concentrations at which some ingredients can be added to blends. At low addition rates, the blending equipment will not operate properly. Upper limits are placed on some ingredients due to operational constraints or to comply with Dangerous Goods, Hazardous Substances or Poisons labelling requirements.

Blend ingredients may segregate during handling. This is minimised by choosing ingredients that are evenly sized and closely matched in their sizing with other blend ingredients.

BLEND INGREDIENTS

The blend ingredients most commonly used by Incitec Pivot Fertilisers are listed in the following table:

Incitec Pivot Fertiliser NPK Blend Ingredients:

Product	Common Name	N	P	K	S	Ca
Urea		+				
Cal-Am	Calcium Ammonium Nitrate (CAN)	+				+
Gran-am	Ammonium Sulphate Sulphate of Ammonia	+			+	
DAP	Diammonium phosphate	+	+			
MAP	Monoammonium phosphate	+	+			
Triple Super	Triple Superphosphate (TSP)		+			+
SuPerfect	Dried Single Superphosphate (SSP)		+		+	+
Muriate of Potash	Potassium chloride			+		
Sulphate of Potash	Potassium sulphate			+	+	
Potassium Nitrate		+		+		

In addition, magnesium (Mg) and the trace elements boron (B), copper (Cu) and zinc (Zn) can be added as the following products:

- Magnesium Oxide
- Granubor (sodium borate);
- Copper Granules (Copper oxysulphate);
- Zinc Sulphate Monohydrate.

Granulock products (zinc enriched ammonium phosphate fertilisers) are also available with added zinc.

Granular Manganese Sulphate is available for use as a blend ingredient in planting fertilisers for crops grown on alkaline soils in South Australia.

Molybdenum is not added to dry blends, but is available as an additive to superphosphate for use on legume-based pasture, e.g. SuPerfect Mo 0.025%.

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