

Nursery Pro Mix

Reg. No. K8460, Act No. 36 of 1947

FERTILIZER GROUP 1

COMPOSITION:

Nitrogen (N)	99 g/kg
Phosphorous (P)	52 g/kg
Potassium (K)	156 g/kg
Sulphur (S)	89 g/kg
Magnesium (Mg)	21 g/kg
Zinc*(Zn)	315 mg/kg
Copper*(Cu)	49 mg/kg
Molybdenum (Mo)	59 mg/kg
Iron*(Fe)	1 300 mg/kg
Boron (B)	595 mg/kg
Manganese*(Mn)	286 mg/kg

*EDTA chelated

Batch No.

UN No. Not regulated

CONTENTS: 500 g; 1 kg; 5 kg; 10 kg; 20 kg; 25 kg;

**NOT CLASSIFIABLE IN
TERMS OF GHS**

GHS PRECAUTIONARY STATEMENT

Do not eat, drink or smoke when using this product.



Registration Holder:

AECI® Limited

Reg. No. 1924/002590/06

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RELEVANT SUBSTANCES:

NOTE: There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section, and are therefore, in terms of the South African Regulations for Hazardous Chemical Agents - 2021; Regulation 14(b), not listed.

MIXING INSTRUCTIONS:

Concentrated solutions of **Nursery Pro Mix** and **Calland™** (Reg. No. K10848, Act No. 36 of 1947 containing Calcium nitrate WS), or **Cal-Nit** (Reg. No. K2415, Act No. 36 of 1947 containing Calcium nitrate WS) must not be mixed together at levels where precipitation may form. In situations where plants are grown in containers it is advisable that these containers be flushed out periodically, at half strength of the solution. This will allow the salts to build up into the medium to be leached out.

Only high quality raw materials are used to manufacture **Nursery Pro Mix**. In spite of this, a small insoluble residue might occur in the tank. The quantity of sediment that occurs is largely dependent on the water quality. In cases where sediment may form in the tank that could cause problems, it is recommended that the water and sediment be analyzed and to contact your local AECI Plant Health Crop Adviser for further assistance. Ensure that the pH of the mixture is above 4.5 to ensure stability of the chelated micro nutrients.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

Nursery Pro Mix is a water soluble combination of plant nutrients suitable for use in nursery fertigation and hydroponic (soilless) crop production systems, and when used together with **PotSul** and/or **Calland/Cal-Nit** it is a balanced source of macro and micro nutrients. When **Nursery Pro Mix** is applied to the irrigation water as directed, the nutrients are readily available and provide for optimum plant growth and high quality. This mixture combined with **Calland/Cal-Nit** at the indicated rates will give a final 3:1:3 NPK ratio and rates for **PotSul** are also given to allow the mix to be raised to a 3:1:5 NPK ratio.

COMPATIBILITY:

The compatibility of **Nursery Pro Mix** has not yet been proven with agricultural remedies. Its compatibility with other products may be influenced by several factors. As certain factors may vary from farm to farm, a physical compatibility test must always be performed before such a tank mixture is sprayed. For more information on compatibility or in the event of uncertainty, contact your local AECI Plant Health Crop Adviser. It is recommended to do a compatibility test on a small area and observe the treated area for 3 days before doing commercial applications.

PREPARING A CONCENTRATED SOLUTION:

This method may be followed when it is possible to dispense the concentrate solution into the irrigation lines by means of fertilizer diluters. To prepare a 10 times concentrate, dissolve 5 or 7.50 kg **Nursery Pro Mix** in 100 litres of water in a tank. Apply **PotSul**[®] (Reg. No. K10876, Act .No. 36 of 1947 containing Potassium sulphate, horticultural grade), when required at a rate of 1,15 kg or 1,75 kg per 100 litres of water. (i.e.10 times the quantity as indicated in the table below).

Calland/Cal-Nit must be dissolved in a separate tank away from the **Nursery Pro Mix**. Once again use 10 times the quantity indicated in the table below, per 100 litres water. To use these concentrated solutions, mix 1 part from the first tank and 1 part from the second tank (totaling two parts of fertilizer), together with 98 parts of irrigation water. These concentrated solutions should be injected simultaneously but separately into the main irrigation line (i.e., by using 2 injection pumps). Should the solutions mix in the concentrated form a precipitate will form immediately. To prevent this, injection points in the main line should be at least 3 m apart.

The above is just one example of a concentrate solution. Other more convenient methods may be used as long as, after mixing with the irrigation water, the concentrations are similar with those as indicated in the table below.

PREPARING A SOLUTION FOR DIRECT APPLICATION:

To prepare 1 000 litres of nutrient solution for direct application, dissolve the **Nursery Pro Mix** at the rates specified in the table below in 500 litres of water. Add a further 250 litres of water and if **PotSul** is required add at the recommended rate and stir until dissolved. Finally add the last 250 litres of water together with **Calland** or **Cal-Nit**. In both circumstances it is important that the solutions are well agitated prior to application.

APPLICATION TABLE:

CROP	NURSERY PRO MIX	CALLAND OR CAL-NIT	POTSUL	Expected EC at 25°C in distilled water
RATE OF APPLICATION: (amount of product indicated as gram / 1 000 ℓ water)				
Forestry 3:1:3 Mature Seedlings	750 g	300 g	-	1.23 mS/cm
Forestry 3:1:3 Young seedlings	500 g	200 g	-	0.89 mS/cm
Forestry 3:1:5 Mature Seedlings	750 g	300 g	175 g	1.23 mS/cm
Forestry 3:1:5 Young seedlings	500 g	200 g	115 g	1.06 mS/cm
Vegetable Seedlings & Ornamentals	750 g	300 g	-	1.23 mS/cm
Flowering seedlings				
1. Summer	750 g	300 g	175 g	1.49 mS/cm
2. Winter	500 g	200 g	115 g	0.81 mS/cm

IMPORTANT NOTES: Seedlings are very sensitive to EC and the above ECs do not include the salts included in your supply water. The above rates may need to be adapted to allow for this. Most seedlings require an EC of 0.5 to 0.6 mS/cm to start and raise the concentration to provide an EC of 1.0 to 1.2 mS/cm on mature seedlings. Use an EC meter to confirm the status.

Before applying **Nursery Pro Mix**, consult a qualified Agronomist or your local AECI Plant Health Crop Adviser on the necessity of using it.

CONDITIONS OF SALE: These goods are manufactured and tested to specific standards and are sold in good faith, however no guarantee is given as conditions and methods under which they are used are beyond the control of the manufacturer. Before using, user should determine the suitability of the product for his/her intended use and user assumes the risk and liability in connection therewith.

PotSul™, Calland™ Trademarks pending of AECI® Limited
Cal-Nit is the registered tradename of Nulandis® (a division of AECI® Limited)

Nursery Pro Mix

Reg. Nr. K8460, Wet Nr. 36 van 1947

MISSTOF GROEP 1

SAMESTELLING:

Stikstof (N)	99 g/kg
Fosfor (P)	52 g/kg
Kalium (K)	156 g/kg
Swael (S)	89 g/kg
Magnesium (Mg)	21 g/kg
Sink* (Zn)	315 mg/kg
Koper* (Cu)	49 mg/kg
Molibdeen (Mo)	59 mg/kg
Yster* (Fe)	1 300 mg/kg
Boor (B)	595 mg/kg
Mangaan* (Mn)	286 mg/kg

*Gecheleerde EDTA

Lotnommer:

VN Nr. Nie gereguleer nie

INHOUD: 500 g; 1 kg; 5 kg; 10 kg; 20 kg; 25 kg;



Registrasiehouer:

AECI® Beperk

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