

MOBEE™

Reg. No. B6545, Act No. 36 of 1947

FERTILIZER GROUP 2

MoBee is a complex liquid fertilizer for use either as a foliar spray or as a soil treatment for the prevention and correction of boron and molybdenum deficiencies.

COMPOSITION:

Nitrogen (N)	40.0 g/kg (53.6 g/l)
Boron (B)	100.4 g/kg (134.54 g/l)
Molybdenum (Mo)	10.1 g/kg (13.53 g/l)

SG: 1.34 at 20°C

Batch No.

UN No. **2491 Ethanolamine solution**

VOLUME: 1 000 L; 1 L; 5 L; 10 L; 20 L; 25 L; 200 L



DANGER

GHS Hazard Statements

Causes severe skin burns and eye damage.
May damage fertility.
May damage the unborn child.
May cause respiratory irritation.

GHS Precautionary Statements

Do not handle until all safety precautions have been read and understood.
Do not breathe mist/ vapours/ spray.
Wash thoroughly after handling.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
IF ON SKIN: Wash with plenty of water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



Registration Holder:

AECI® Limited

Reg. No. 1924/002590/06

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MOBEE™ is a pending trademark of AECI® Limited

WARNINGS:

Do not spray with high concentrations of urea.

Avoid using **MoBee** at rates higher than recommended, as this may cause injury to sensitive crops.

May cause severe skin burns and eye damage.

Avoid application under extreme conditions such as temperatures above 25°C and wind speed exceeding 8 km/h.

RELEVANT SUBSTANCES:

Substance name (IUPAC)	Concentration % By weight	Classification
		EC1272/2008
Mono ethanolamine (MEA)	10-20%	Acute toxicity oral, dermal, inhalation (category 4) H302+H312+H332. Skin corrosion (Category 1) H314. STOT SE 3 H335.
Boric acid granular	50-60%	Reproduction toxicity (Category 1B) H360FD.

NOTE: The other ingredients not included above, do not cause or contribute towards the correct GHS classification of **MOBEE** and are therefore, in terms of the South African Regulations for Hazardous Chemical Agents - 2021; Regulation 14(b), not listed.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

APPLICATION INSTRUCTIONS:

GENERAL:

Do not spray with high concentrations of urea.

The lower rates should be used for maintenance whilst the higher application rates will be used for addressing nutrient deficiencies.

For optimal uptake apply early in the morning or late in the afternoon, avoid spraying during the heat of the day. It is recommended to use a non-ionic registered adjuvant to improve uptake and better plant coverage.

FOLIAR APPLICATION:

Ensure the spray of water used is sufficient to provide a full cover of the plant surface. Do not exceed a concentration of 0.75% v/v in field crops and 0.3% v/v in flowers and ornamentals (0.15% v/v in Gladioli).

SOIL APPLICATION:

Apply in sufficient water to obtain an even coverage. For optimal uptake by the plant, the boron must be moved into the root zone by rainfall, incorporation or irrigation. Do not allow **MOBEE** to come into direct contact with the seed.

COMPATIBILITY:

MOBEE is **not** compatible with Zinc sulphate, Manganese sulphate, Lime Sulphur or miscible oil formulations.

MOBEE is compatible with most commonly used foliar feeds, **Alexin**® (Reg. No. B3835), **CungFu 538 SC** (Reg. No. L7526), **Cu-Max**® (Reg. No. B2947), **Double Max** (Reg. No. B2916), **Flowable Sulphur** (Reg. No. L0142, Act No. 36 of 1947), **Genie**® **Gro** (Reg. No. M300, Act No. 36 of 1947), **Glynox**™ **540 SL** (Reg. No. L10937), **K-Max**® (Reg. No. B2753), **MagMax**® (Reg. No. B2754), **Multifeed**® **Classic** (Reg. No. K5293), **Multifeed**® **P** (Reg. No. K5994), **Qwemikelp**® (Reg. No. K6250), **Rappid**® (Reg. No. K9404) and **Rappid**® **K** (Reg. No. K9566), however, its compatibility with other agricultural remedies are not known.

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 AECl 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.

APPLICATION TABLE:

CROP	APPLICATION RATE	APPLICATION METHOD
APPLES, PEARS, APRICOTS, PLUMS, PEACHES, CHERRIES	100 ml/100 ℓ water (maximum of 2 ℓ/ha)	Apply 2 light cover applications: a) At 10% blossoming b) Post harvest in Autumn
AVOCADOS	50 to 100 ml/100 ℓ water (maximum of 1.0 to 3.0 ℓ/ha)	Apply as a full cover spray during flower initiation, beginning of flowering and after flowering before fruit set commences. Applications should be sprayed at least 4 weeks apart. The application rate will depend on the age of the trees.
CANOLA	350 to 500 ml/100 ℓ water	Apply prior to flowering stage but not later than 10% blossoming.
CITRUS	200 ml/100 ℓ water	Apply as a full cover spray during flower initiation, beginning of flowering and after flowering before fruit set commences. Applications should be sprayed at least 3-4 weeks apart. The application rate will depend on the age of the trees.
COTTON	375 to 750 ml/ha	Apply as a full cover spray during the flowering stage where boron deficiency has been identified.
CUCURBITS (Including melons, water melons and pumpkins)	500 to 750 ml/ha	Apply 2 weeks prior to flowering and repeat every 3 weeks up to the final flowering stage. Apply a maximum of 3 to 4 sprays during the growing season.
CRUCIFERAE (Including cabbage, broccoli and cauliflower)	750 ml/ ha	Apply 1 week prior to head formation. Repeat the spray 1 or 2 times at head formation during the growing stage.
FLOWERS AND ORNAMENTALS	100 to 150 ml/100 ℓ water	Apply 2 - 3 sprays at monthly intervals, starting as soon as plants have established.
GRAPES	100 ml/100 ℓ water/ha 200 ml/100 ℓ water/ha	Apply 2 applications: a) Just before flowering stage b) Post harvest treatment
GROUNDNUTS	350 ml/ha	Apply 4 - 5 times per season at 3 week intervals as either an aerial or tractor application. During the following years only 2 treatments per season should be applied.
LUCERNE	500 ml to 1.0 ℓ/ha	A) <u>Maintenance Treatment:</u> Apply as an overall spray treatment 10 days after each cutting.
	5.0 ℓ to 6.0 ℓ/ha	B) <u>Corrective Treatment:</u> Apply a single application as an overall spray directly after cutting when analysis of top 15 cm of plant contains less than 20 mg boron/kg (20 ppm) before flowering. Boron levels can then be re-analysed and adjusted if necessary, based on soil analysis
MAIZE & SOYABEANS	5.0 to 8.0 ℓ/ha	Incorporate into the soil during soil preparation.
	1.5 ℓ/ha	Apply as a pre-emergence application over the soil.
	1.0 to 1.2 ℓ/ha	Apply as a foliar application over the plant. Apply the first application during flower initiation, followed up 4 weeks later at flowering and a further application 4 weeks later during post flowering just before fruit set.
OLIVES	200 ml/100 ℓ water	Apply as a light cover spray just before flowering.
ONIONS	750 ml/ha	Apply the first treatment 3 weeks after plants have established and repeat 3 weeks later.
POMEGRANATES	200 ml/100 ℓ water	Apply as a light cover spray just before flowering.

POTATOES	1.0 ℓ/ha	Apply 2 applications: a) At planting b) Prior to flowering stage
ROOIBOS TEA	350 to 500 ml/100 ℓ water	Apply prior to flowering stage.
STRAWBERRIES AND BLUEBERRIES	50 to 100 ml/100 ℓ (maximum of 750 ml/ha)	Apply every 2 to 3 weeks during flowering and fruitset stage.
SUGARCANE	750 ml to 2.0 ℓ /100 ℓ water	Apply as a full cover foliar spray 3 to 4 weeks after emergence.
SUNFLOWERS	750 ml/ha	Where sunflowers are to be grown, spray soil evenly before final preparations. Where leaf analysis of previous crop allows, treatment may be omitted.
TOBACCO	350 to 750 ml/ha	Apply 4 - 5 times per season with 3 weekly intervals. Apply as an aerial or tractor application.
TOMATOES & PEPPERS	150 to 250 ml/ha	Apply 1 week just prior to flowering and repeat the application with 3 weekly intervals until the flower initiation has passed.
TREE NUTS (including almonds, cashews, chestnuts, hazelnuts, macadamias, pecans, pistachios, walnuts, coconuts, brazil nuts and pine nuts)	50 to 100 ml/100 ℓ water (maximum of 1.0 to 3.0 ℓ/ha)	Apply as a full cover spray during flower initiation, beginning of flowering and after flowering before fruit set commences. Applications should be sprayed at least 4 weeks apart. The application rate will depend on the age of the trees.
VINEYARDS	100 ml / 100 ℓ water	Apply prior to flowering stage.
	200 ml / 100 ℓ water	Apply as a post-harvest treatment.
WHEAT, BARLEY & OATS	350 to 500 ml / 100 ℓ water	Apply prior to flowering stage.
	200 ml/100 kg seed	Apply as a seed treatment prior to planting.

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.

NOTE:

**SPRAY VOLUMES WILL BE DETERMINED BY THE ACTUAL TREE OR PLANT SIZE.
THE DOSAGE IS DEPENDENT ON THE MAGNITUDE OF THE DEFICIENCY.**

IMPORTANT:

BEFORE APPLYING MOBEE CONSULT A QUALIFIED AGRONOMIST OR YOUR LOCAL AECI AGRICULTURAL CROP ADVISER ON THE NECESSITY OF USING IT.

Alexin[®], Cu-Max[®], Genie[®] Gro, Glynox[™], K-Max[®], MagMax[®], Multifeed[®], Qwemikelp[®], Rappid[®] and Rappid[®] K are trademarks of AECI[®] Limited

CungFu 538 SC, Double Max and **Flowable Sulphur** are tradenames of Nulandis[®] (A division of AECI[®] Limited) and AECI[®] Limited.