Nutrico
Better Growth, Better Yield, Better Value

From flower to flourish: Molboro Tr-X™ targeted nutrition

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Analogous to the varying dietary requirements throughout the human lifespan, plants exhibit stage-specific nutritional demands. This is particularly pronounced during the flowering phase, a pivotal period for oilseed crops. Oilseeds require specific nutrient influxes to optimise flower and seminal development, ultimately influencing the final crop and oil yield during harvest.

At Nutrico, we understand the unique nutritional demands of oilseeds during flowering. Drawing from over 20 years of research and expertise, we have developed new-generation nutrition products and programmes that optimise plant growth and maximise harvest potential.

Flowering requirements

Providing a balanced and steady nutrient supply at each growth stage is essential for optimal performance, particularly in oilseed crops – the flowering stage plays an integral role in seed set and, ultimately, oil yield. Uniform flowering ensures that enough flowers are available for pollination, increasing the chances of successful fertilisation and seed development.

During the oilseed flowering stage, the focus shifts towards producing healthy seeds rich in oil. Supplying the right nutrients during this pivotal time allows the plant to channel energy efficiently towards seed development. Even when plants exhibit no obvious vegetative growth deficiencies, micronutrient shortages can markedly reduce crop yield. Therefore, proactive or preventive nutrient management during flowering stages is non-negotiable.

Molboro Tr-X™ nutrition

Molboro Tr-X™ is a tailored approach to plant nutrition, providing the optimal balance of nutrients during critical flowering. This liquid fertiliser combines the benefits of concentrated levels of boron (B: 73g/ℓ), molybdenum (Mo: 26g/ℓ), cobalt (Co: 1g/ℓ) and proprietary ingredients aimed at enhancing plant resistance activation and optimising metabolic efficiency.

Boron, Mo, and Co play essential roles in processes such as pollen formation, pod development, and nitrogen fixation – all key factors for successful seed set and maximising the oil content within seeds.

Expertly manufactured by Tandem Translocation and Resistance eXpression (Tr-X)™ technology to deliver nutrients to crops in a highly mobile and absorbable format while boosting plant health during periods of high metabolic demand and unfavourable environmental conditions, in-house field trials have indicated that Molboro Tr-X™ is an industry leader when it comes to return on investment.

Providing crops with Molboro Tr-X™ nutrition during flowering ensures the plant has the right building blocks to:

- Develop healthy flowers that attract pollinators and lead to successful seed set.
- Fill seeds with the maximum amount of oil, boosting overall yield.
- Maintain strong plant health to avoid diseases that cripple oil production.

Practical applications

Molboro Tr-X™ is conveniently formulated so that each 1ℓ/ha provides an optimal blend of B, Co, Mo and important biostimulants (including amino acids and seaweed extracts). This formulation supports crops during stages of high metabolic demand and stress. Apply Molboro Tr-X™ at 1ℓ/ha in autumn, and up to 1ℓ/ha at the start of flowering as either a seed treatment or a foliar spray application.

To achieve optimal yield results, use Nutrivo Tr-X™ during the emergence and canopy development growth stages as a precursor to Molboro Tr-X™ nutrition.

Table 1: Molboro Tr-X™ application recommendations.

Crop	Rate/ha	Rate/100ℓ
Beans: Soya, dry, green, peanut, lupine, lucerne	0,5-4ℓ	0,25-1ℓ
Summer grains: Maize, sorghum, sweet corn, silage	0,5-4ℓ	0,25-2ℓ
Winter grains: Wheat, oats, barley, canola	0,5-4ℓ	0,25-2ℓ
Oil crops: Sunflower, canola	0,5-4ℓ	0,25-2ℓ

For more information, contact Nutrico on 011 392 4072 or 021 807 5922 or visit *www.nutrico.co.za*.