

# Kickstart®

Biostimulants & Quality Improvement

## Use

To improve establishment and increase rooting.

## Crops

Most crops including cereals, oilseed rape and sugar beet.

## Pack Size

10, 600, 1000 litres

## Function of Kickstart®

Kickstart can significantly improve root growth and crop establishment in cereals, oilseed rape and sugar beet, especially when seedbed and weather conditions are not ideal.

## Phosphites as Biostimulants

Used at low rates on young plants, phosphites act as biostimulants, promoting early root growth and plant establishment. In 2012, OME X commissioned the start of a series of controlled and fully replicated experiments aimed at establishing if this effect could be quantified, and the results have shown there were significant differences between phosphite formulations and application rates.



Analysis	w/w	w/v
Nitrogen (N)	3.0%	4.0%
Phosphate (P <sub>2</sub> O <sub>5</sub> )	28.0%	38%
Water Soluble Phosphate (P <sub>2</sub> O <sub>5</sub> )	0.0%	0.0%
Phosphite (as P <sub>2</sub> O <sub>5</sub> )	28.0%	38%
Potassium (K <sub>2</sub> O)	13.0%	17.5%

## ◆ Directions for Use

Use Kickstart where an increase in rooting is required, such as on late drilled crops, when seedbed and weather conditions are not ideal for growth, or as part of a crop management programme to significantly improve rooting and establishment. Foliar uptake will be enhanced by the addition of NA13<sup>1</sup> unless in tank mix with a pesticide.

Apply 0.5-1 L/ha, in a minimum of 200 L/ha water.

The spray tank should be filled with half the required water. If applicable, add the required amount of NA13 to the water before the Kickstart. After shaking the container, measure the required amount of Kickstart and add to the tank whilst maintaining constant agitation. Add remaining water to correct dilution and spray.

Crop	Timing	Rate L/ha	Comments
Cereals	From 3 - 4 leaf stage	1	Use to improve establishment on backward crops or in poor growing conditions.
Oilseed Rape	From 2-4 true leaves	1	Promotes root growth and top growth prior to winter dormancy.
Sugar Beet	From 2-4 true leaves	0.5-1	Use the higher rate when soil is cold or weather conditions are not ideal for growth.
Other Crops	From 3-4 leaves	1	Use to improve establishment on backward crops or in poor growing conditions.

## ◆ Notes

As with any other phosphite product, Kickstart aids the uptake of tank mix partners so OMEX does not recommend tank mixes with selective herbicides in cereals, as selectivity may be reduced.

For further information on compatibility and tank mixing refer to the section on pages 54-55, and for physical compatibility with pesticides refer to the website [www.omex.co.uk](http://www.omex.co.uk).

<sup>1</sup> NA13 is an adjuvant designed to help with improved adhesion, deposition and penetration of the spray solution on the leaf surface. NA13 should be added at 0.1% of the spray volume, e.g. 100 ml in 100 litres of water. Maintain agitation and apply immediately after mixing. See page 50 for details.