MANIPULATOR PLANT GROWTH REGULATOR

MANIPULATOR PGR utilizes Chlormequat chloride, an established, active ingredient that limits plant height in wheat and strengthens stalks to help prevent lodging.

MANIPULATOR has a unique formulation that includes safeners and low temperature activators, creating a wide application window and making it ideal for Canadian growing conditions.
MANIPULATOR TECHNICAL INFORMATION

For use on: Wheat (spring, winter & durum)
Active Ingredient: Chlormequat chloride
Formulation: Suspension concentrate
Packaging: 2 x 10 litre jugs (1 jug treats 14 acres)
Mode of Action: Inhibits gibberellin production
Application rate: 1.8 Litres / ha or .7 L / acre
Water volume: 10 U.S. gallons / acre or 100 L / ha
Application timing: Full window (2 leaf to flag leaf)
Optimal Timing: 5-6 leaf stage
Rain fast: 2 hours

In over 200 field trials using Manipulator PGR on wheat:
- a 5% yield increase was realized 93% of the time
- a 10% yield increase was realized 65% of the time

MANIPULATOR often produced yield increases even when lodging was not an issue.

<table>
<thead>
<tr>
<th>Crop</th>
<th>MANIPULATOR APPLICATION RECOMMENDATIONS</th>
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<tbody>
<tr>
<td>Wheat</td>
<td>For best results apply at growth stage 30 – 32 (5 – 6 leaf stage)</td>
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Always read and follow label directions.

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