



**ACTIVE**<sup>TM</sup>  
AgriScience  
activeagriscience.com

TECHNOLOGY  
BEYOND  
the POINT  
of NUTRITION<sup>TM</sup>

Active AgriScience Inc. supports the farming community by providing innovative, effective, and economical products that increase yields. A leader in plant nutrient and bioactive compound research and technology, Active AgriScience uses rigorous scientific methods to develop and enhance products to improve farm production and profits.

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IN CROP  
**GROWTH**  
PROMOTER



Active BUILD<sup>TM</sup> provides the nutrients that young plants need to continue strong, healthy growth and overcome the stress caused by rapid growth, herbicides, and unfavourable environmental conditions. Roots continue to deepen, while stalks strengthen and foliage increases, ultimately resulting in higher yields.



**GUARANTEED MINIMUM ANALYSIS:**

Total Nitrogen (N).....	2%
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	30%
Soluble Potash (K <sub>2</sub> O) .....	6%
Boron (B)(actual) .....	0.3%
Manganese (Mn)(actual) .....	1.0%
Zinc (Zn)(actual) .....	2.3%
Molybdenum (Mo)(actual) .....	0.13%

**STRONGER GROWTH:**

The high N-P-K concentration in Active BUILD<sup>TM</sup> is supplemented with boron, copper, manganese and zinc, supporting additional root growth, stronger stalks and increased leafing, even under drought stress.

**REDUCED TRANSPIRATION:**

Active BUILD<sup>TM</sup> helps increase xylem pressure through positive water potential, and enhanced elasticity of the xylem, and helps to regulate stomatal function to reduce excess water loss.

**INCREASED WATER USE EFFICIENCY:**

Active BUILD<sup>TM</sup> combats drought induced changes in plants by inhibiting both ethylene synthesis and free radical formation. Ethylene and free radicals destabilize plant membranes, through fluidization and lipid peroxidation, resulting in water leakage and quicker wilting. Active BUILD<sup>TM</sup> treated plants exhibit greater water use efficiency and inherent resistance to these drought-induced changes.

**INCREASED NUTRIENT MOBILIZATION and ABSORPTION:**

Active BUILD<sup>TM</sup> provides nitrogen and potassium in easy-to-absorb complexes, and phosphorous in two different forms. It increases secretion of root exudates into the rhizosphere to improve bound nutrient mobilization, availability, and root interception. Treated plants show increased uptake of nutrients.

**INCREASED PERFORMANCE UNDER STRESS CONDITIONS:**

Active BUILD<sup>TM</sup> benefits are unaffected by unfavourable conditions. It maintains the ability to simultaneously upregulate desirable pathways and downregulate undesirable pathways, allowing plants to maximize their genetic potential under cold, wet or drought conditions.

**INCREASED FUNCTION OVER a WIDE pH RANGE:**

Active BUILD<sup>TM</sup> contains simple organic molecules that act as either weak acids or bases to pH buffer solutions. This preserves Active BUILD's function and efficacy over various pH ranges.



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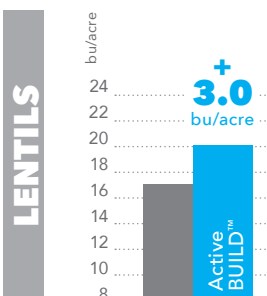
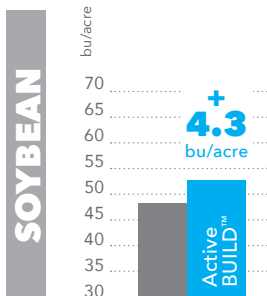
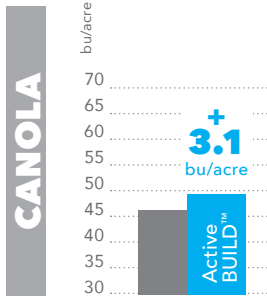
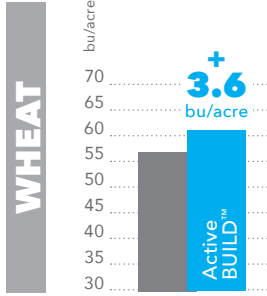
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## DIRECTIONS for USE:

**General Crop Use:** apply at herbicide timing as a foliar spray using 2.5 L per hectare (1 L per acre) with a minimum of 50 L of water per hectare (20 L / acre) for ground applications and 30 L of water per 1 hectare (12 L / acre) for aerial applications. Allow at least 3-4 week between applications.

Wheat, oats: apply at BBCH 13-15 (3-5 leaf stage). Canola: apply at BBCH 12-14 (2-4 leaf stage). Soybean: apply at V1-V2 (first-second trifoliolate). Peas, lentils, and other pulse crops, potato, corn: apply at the 4-5 leaf stage. Flax: apply when plants have 3 sets of true leaves. Spray early morning or late afternoon when the sun is lower in the sky. Do not apply when air temperatures are above 29°C (85°F). Avoid spraying on windy days. Use this product on the basis of soil and tissue analysis in accordance with recommendations of a qualified person or institution or apply according to recommendations in your approved nutrient program.

**COMPATIBILITY:** This product is compatible with most pesticides and fertilizers. If compatibility is uncertain, conduct a jar test prior to use. Add tank mix partners in the following order: water, agrochemical, Active BUILD™.



## WHEAT • 6 YEAR AVERAGE YIELD DATA \*

TREATMENTS	YIELD - 2013 (bu/acre)	YIELD - 2014 (bu/acre)	YIELD - 2015 (bu/acre)	YIELD - 2016 (bu/acre)	YIELD - 2017 (bu/acre)	YIELD - 2018 (bu/acre)	6 YEAR AVERAGE (bu/acre)	% CHANGE
Check	77.0	63.3	54.2	45.3	68.2	37.5	57.0	0
Active BUILD™	81.0	69.3	57.2	47.8	69.0	39.1	60.6	5

## CANOLA • 6 YEAR AVERAGE YIELD DATA \*

TREATMENTS	YIELD - 2013 (bu/acre)	YIELD - 2014 (bu/acre)	YIELD - 2015 (bu/acre)	YIELD - 2016 (bu/acre)	YIELD - 2017 (bu/acre)	YIELD - 2018 (bu/acre)	6 YEAR AVERAGE (bu/acre)	% CHANGE
Check	45.0	52.0	44.7	33.8	57.7	42.5	46.0	0
Active BUILD™	49.5	55.7	46.2	38.4	61.9	43.0	49.1	7

## SOYBEAN • 6 YEAR AVERAGE YIELD DATA \*

TREATMENTS	YIELD - 2013 (bu/acre)	YIELD - 2014 (bu/acre)	YIELD - 2015 (bu/acre)	YIELD - 2016 (bu/acre)	YIELD - 2017 (bu/acre)	YIELD - 2018 (bu/acre)	6 YEAR AVERAGE (bu/acre)	% CHANGE
Check	68.0	10.1	60.6	68.7	38.3	42.0	48.0	0
Active BUILD™	72.0	17.6	62.1	72.6	46.0	43.6	52.3	9

## LENTILS • 3 YEAR AVERAGE YIELD DATA \*

TREATMENTS	YIELD-2016 (bu/acre)	YIELD-2017 (bu/acre)	YIELD-2018 (bu/acre)	3 YEAR AVERAGE (bu/acre)	% CHANGE
Check	10.4	19.8	22.0	17.0	0
Active BUILD™	11.9	23.0	24.0	20.0	13.0

## Active BUILD™ EFFECT



\* 3<sup>rd</sup> party field research with Ag-Quest, BC Grain, ICMS, Mara and New-Marc Research

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