UNICUM® Pro

Stability of crop production made possible

The plant resistance improver

- *effectively prevents crop production losses,*
- *promotes regeneration of damaged plants,*
- *improves the yield performance through reactivation of dormant genetic potential of cultivated crops,*
- *promotes and preserves harvest and post-harvest quality, reduces storage weight losses,*
- *improves the qualitative parameters of produced seeds (germination percentage, germination energy, etc.),*
- *suitable for Tank-Mix combinations with POST-emergent herbicides, pesticides and fertilizers; improves the efficacy of fungicides,*
- *effectively eliminates chemical stress,*
- *takes effect during 1 hour and acts for the period of 14-21 days*

Ekoland®

www.ekoland.org

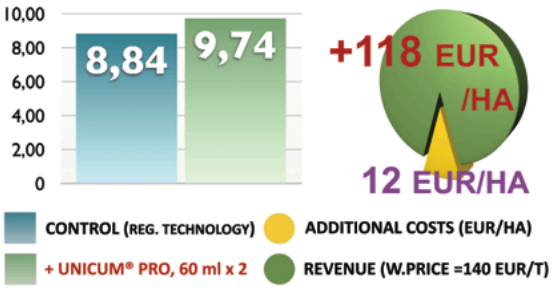
UNICUM® Pro is a liquid plant resistance improver intended for activation of specific and nonspecific plant defenses in orchards, vineyards, field crops and vegetables. ***UNICUM® Pro*** foliar applications increase plant resistance against fungal, bacterial, viral disease agents and abiotic stress factors such as drought or flooding, spring frosts, high temperatures, sudden weather changes, chemically induced stress, and more.

UNICUM® Pro represents the selected complex of biologically active organic substances originating from highly resistant near-polar plants and excelling in their ability to increase the expression activity of inactive/dormant genes of plant resistance, deactivated in the process of plant selective breeding, for the period of 2-3 weeks. Such temporary reactivation of plant defenses and ongoing plant stress reduction essentially translates into advanced yield, quality and storability of harvested crops.

YIELD EFFECTS AFTER STRESS REDUCTION:

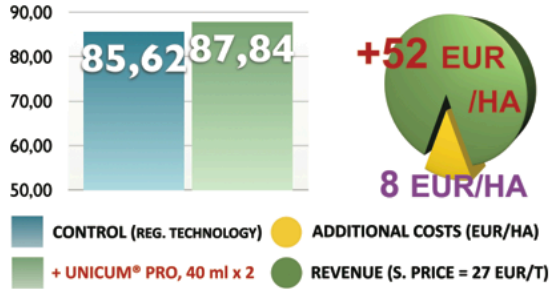
FIELD TRIALS: WINTER WHEAT YIELD [T/HA]

AGRARTEST GMBH, GERMANY, 2011, TRIAL No: EKO-WW-931-06



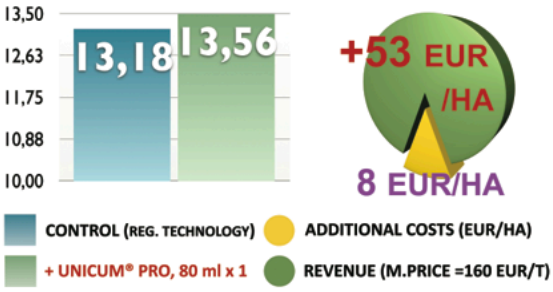
FIELD TRIALS: SUGAR BEET YIELD [T/HA]

AGRARTEST GMBH, GERMANY, 2011, TRIAL No: EKO-ZR-940-13



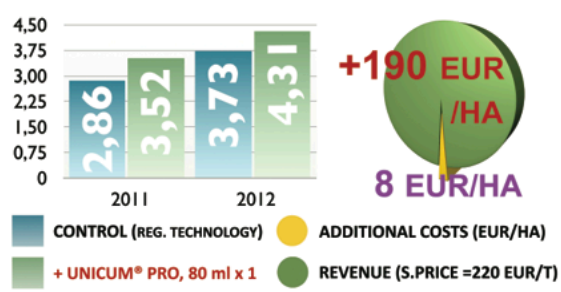
FIELD TRIALS: MAIZE YIELD [T/HA]

AGRARTEST GMBH, GERMANY, 2011, TRIAL No: EKO-KM-934-03



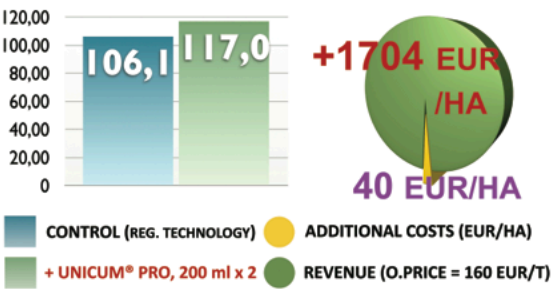
FIELD TRIALS: SUNFLOWER YIELD [T/HA]

SLOVAK UNIVERSITY OF AGRICULTURE IN NITRA, SLOVAK REPUBLIC, 2011
PLANT PRODUCTION RESEARCH INSTITUTE IN PIEŠŤANY, SLOVAK REP., 2012



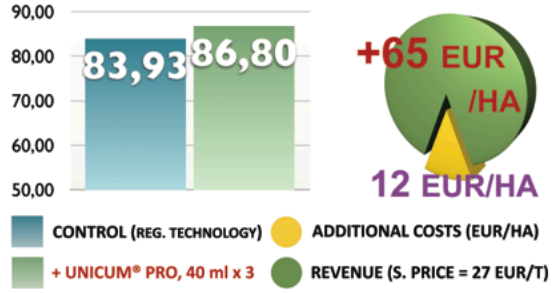
FIELD TRIALS: ONION BULBS YIELD [T/HA]

AGRARTEST GMBH, GERMANY, 2011, TRIAL No: EKO-ZW-937-04



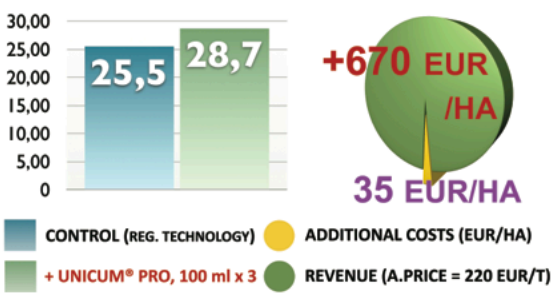
FIELD TRIALS: SUGAR BEET YIELD [T/HA]

AGRARTEST GMBH, GERMANY, 2011, TRIAL No: EKO-ZR-938-04



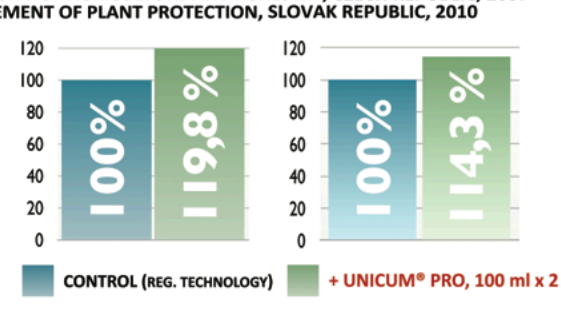
FIELD TRIALS: APPLE YIELD [T/HA]

RESEARCH AND BREEDING INSTITUTE OF POMOLOGY, CZECH REPUBLIC, 2009



FIELD TRIALS: GRAPE YIELD [REL. %]

MENDEL UNIVERSITY OF AGRICULTURE AND FORESTRY, CZECH REPUBLIC, 2007
UKSUP, MANAGEMENT OF PLANT PROTECTION, SLOVAK REPUBLIC, 2010



CHEMICAL AND PHYSICAL PROPERTIES:

1) Preparation form: water emulsion; 2) Active substances min. content: 100 g/l; 3) pH level: 7,5 – 9,5;

UNICUM® Pro can be supplied as an EC fertilizer formulation according to customer needs.

PRODUCT FOLIAR APPLICATION RECOMMENDATIONS:

CROP	DOSAGE	NUMBER OF APPL.	APPLICATION PHASES *
Grapevine	100 ml/200-500 l of water/ha	1-3	1) before flowering (BBCH 55-60) 2) end of flowering (BBCH68-71) 3) 12-15 days later
Fruit trees	100-200 ml/500-1000 l of water/ha	1-4	1) before flowering (BBCH 56-59) 2) end of flowering (BBCH 69-71) 3-4) 12-15 days later
Strawberry	100-150 ml/200-500 l of water/ha	2-3	1) before flowering (BBCH 54-61) 2-3) 12-15 days later
Wheat, Barley, Oat	60-100 ml/200-300 l of water/ha	1-2	1) tillering phase (BBCH 21-29) 2) heading phase (BBCH 51-59)
Maize (Corn)	100 ml/200-300 l of water/ha	1	1) 4-6 leaves (BBCH 14-16)
Sunflower	80 ml/200-300 l of water/ha	2	1) 4-6 leaves (BBCH 14-16) 2) beginning of flowering (BBCH 59-65)
Sugarbeet	60 ml/200-300 l of water/ha	2-3	1) 6-8 leaves (BBCH 16-18) 2) 12-15 days later
Onion, Garlic, Leek	100-200 ml/200-300 l of water/ha	2	1) 4-6 leaves (BBCH 14-16) 2) 12-15 days later
Potato	100 ml/200-300 l of water/ha	2-3	1) beginning of flowering (BBCH 55-59) 2) during flowering (BBCH 60-63)
Cabbage	80 ml/200-300 l of water/ha	2	1) 6-8 leaves (BBCH 16-18) 2) head formation (BBCH 41-43)
Bean, Soybean, Pea	60 ml/200-300 l of water/ha	2	1) beginning of flowering (BBCH 59-61) 2) 12-15 days later
Tomato, Sweet pepper	100 ml/200-500 l of water/ha	3	1) flowering of the 1st bunch (BBCH 61) 2) flowering of the 2nd bunch (BBCH 62) 3) flowering of the 3rd bunch (BBCH 63)
Cucumber, Zucchini, Melon, Water melon	60 ml/200-500 l of water/ha	3	1) 4-6 leaves (BBCH14-16) 2) beginning of flowering (BBCH 51-54) 3) during flowering (BBCH 61-65)

* **-** in the case of acute need to strengthen the vitality and regeneration of plants it is possible to apply the product more times per vegetation in short time intervals of 7-10 days, e.g. after hail. Recommended times of applications can be slightly postponed in order to apply the product in tank-mix combinations with other products.

MISCIBILITY: ***UNICUM® Pro*** is miscible with plant protection products, post-emergent herbicides and liquid fertilizers (after their dilution with water in a tank sprayer).

PACKING: 1 L, 5 L, on customer request.

MANUFACTURER:

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