

ExploGrow™ field trial results in South Africa 2013 - 2016

Click on crop link for related case study or visit <http://explogrow.com/case-studies>

Crop	Yield increase	Brix (sugar level) increase	N-P-K reduction	Watering reduction
Lucerne (Alfalfa)	130%		minus 60%	20% - 25%
	<i>"ExploGrow™ treated area had a very positive effect on the resistance of the plants against insects and intense drought"</i>			
Grass / Grazing	100% +	30%*	minus 50%	20% - 25%
	+ 3% higher milk production. Resistance to extreme weather conditions (treated grass survived frost).			
Winter Wheat	20% *		minus 50%	20% - 25%
	Larger heads: 35 - 40 seeds per head (vs smaller sized heads: 30 - 34 seeds per head using chemical fertilizer).			
Spinach	over 250% *		minus 75% **	20% - 25%
	<i>"Larger, stronger & tastes sweeter."</i> M. Young BSc.***			
Watermelon	160%	36%	minus 50%	20% - 25%
	<i>"It is the sweetest watermelon I've ever tasted!"</i> L. Greyling, Chicory SA			
Radishes	45% *		minus 50%	20% - 25%
	<i>"Black frost caused untreated radishes (dry and tasteless) to bust. Treated Radishes tasted sweet and delicious!"</i>			
Tomatoes	70% *	22%	minus 50%	20% - 25%
	<i>"I was delighted when I discovered the Brix result. After a severe cold spell, I was expecting a major decline in the Brix levels, however, the ExploGrow™ treated tomatoes maintained its high Brix level."</i>			
Pecan Nut Trees	25%		minus 60%	20% - 25%
	Overall net gain: US\$3,000 per hectare (Due to yield increase + top nut quality). Bigger nuts = 50 % improvement in sale price. Faster growth rate (33%) <i>"I [also] treated Pecan Nut Trees infected by Alternaria with ExploGrow™. At this stage my trees look like they are winning the battle. The dieback has stopped and new leaves are forming."</i> Crackout rate: Wichita 63%; Pawnee 61,9%; Choctaw 58,2%.			
Potatoes	79%	57%	minus 50%	20% - 25%
	<i>"Better Brix, bigger potatoes and higher yield!"</i>			
Spring Onions	over 100%		minus 75% **	20% - 25%
	<i>"Production more than doubled, fewer fungal problems and almost no pest damage. Pests and diseases used to be a big issue."***</i>			
Brinjals (Aubergines)	100%	100%		20% - 25%
	<i>"Larger, stronger & tastes sweeter."</i> M. Young BSc.***			
Tobacco	30% *		minus 50%	20% - 25%
	<i>"The root system and recorded trunk thickness has increased dramatically with ExploGrow™."</i>			
Orange tree seedlings	30% *	35%*	minus 50%	20% - 25%
	Stem diameter + 22%; over 100% increase in root mass; improved growth rate of 19%			
Strawberries	50%*	83%*	minus 50%	20% - 25%
	Spar Supermarket strawberries: Brix 5 - 6. ExploGrow™ strawberries: Brix: 9 - 11. <i>"The biggest and most delicious tasting strawberries that I've ever produced"</i> .			
Peppers (green)	100%	100%	minus 75% **	20% - 25%
	<i>"Larger, stronger & tastes sweeter."</i> M. Young BSc.***			
Peppers (colour)	100%	67%	minus 75% **	20% - 25%
	<i>"Larger, stronger & tastes sweeter."</i> M. Young BSc.***			
Onions	tbc	tbc	minus 50%	20% - 25%
(Preliminary test: June '16)	Overall net gain: US\$4,900 (ZAR 77,000) per hectare. Investment return: US\$ 63 Cents (ZAR 9.76) for every US\$ 6 Cents (ZAR 1) invested.			

* Partly an estimate since calculated also from preliminary tests and/or year on year comparison data

** 75% reduction in foliar fertilizer (hydroponics)

*** "No Chemical Pesticide Program was used due to the formulation of ExploGrow™" M. Young BSc.

ExploGrow™ is a revolutionary 100% organic bio-fertiliser in a league of its own, comprising 17 highly complex micro-organisms, environmentally friendly soil ameliorant and plant growth stimulant, with increased soil microbial balance properties.

Fully approved by The South African Department of Agriculture, Forestry & Fisheries as well as The Namibian Ministry of Agriculture, Water & Forestry (South African reg. no: B4807; Namibian reg. no: N-F 1005- EXPLOGROW)