

Report on soya beans research trials in Choma - Zambia

Treated with Plant Catalyst

Control



1	Field size – 25 x 50m (0,125Ha)	1	Field size – 25 x 50m (0.125Ha)
2	Date Planted – 20.12.17	2	Date planted – 20.12.17
3	Germinated in – 3 to 4 days after planting	3	Germinated in – 5 to 7 days after planting
4	Basal Applied – 12.5kg (Compound D)	4	Basal Applied – 25kg (Compound – D)
5	Germination - Almost 100%	5	Germination – 97%
6	Vegetation – Well covered	6	Vegetation – Has few gaps
7	Crop Colour – Very green	7	Crop colour – Not very green

Treated

Control



Plant height – 1.2m	Plant height – 85cm
Number of leaves per plant - 10 (Less leaves)	Number of leaves per plant – 12 (More leaves)

Treated with plant catalyst



Control



Has well developed root system

Root system not well developed

Treated with plant catalyst



Control



Has more number of flowers on the plant

Has less number of flowers on the plant

Plant catalyst Update for Luanshya trial

The trials are both generally good, only noticed a few leaves are curling, we will be spaying with Karate and any fungicide.

The color of leaves for the treated plot is greener than the control.

	Aver no of leaves/plant	Aver. Plant height	Flowering %
Control	8	71.2cm	25%
Treatment	8	74.8cm	35%

Treated plot pictures



Root for Treated plot

Roots for Control Plot

Control Plot Photos



Cowpeas



Cowpeas treated with plant catalyst



Control



Treated with plant catalyst



Control Field

Both treatment and control fields were planted on 29th January, 2017. Already the signs have started showing that cowpea sprayed with plant catalyst is greener than the control one. We have not applied any basal fertilizer on cowpeas.