



# Fusarium problem in the soil with peas - Ethiopia

## the Challenge

Due to continuous planting of pea's season after season Fusarium become above the economic control level.



## the Results

On December 2, 2014 the customer (J.J Kothari Farm) removes all the roses on the farm and replaced by peas, that is when the problem begins.

This farm face high level of soil pathogens especially fusarium, then after, as per our expert advise (plant pathologist) they start to treat the soil with Huwa-San TR-50 with the application rate of 4lt/ha and a frequency of seven days through drenching (drip line), started immediately after planting.

When the crops are all grown up then the fusarium become a big problem again (this happens after 1 month), then the Huwa-San application also increased from 4lt/ha to 6lt/ha with a frequency of 4 days until harvesting.

Table indicate application of Huwa-San TR-50

Product	Active ingredient	Target pathogen	Frequency	Starting Date	Rate/ha
Huwa-San (phase 1)	H <sub>2</sub> O <sub>2</sub> +Ag <sup>++</sup>	Fusarium	Every 7days	From planting	4lt/ha
Huwa-San (phase 2)	H <sub>2</sub> O <sub>2</sub> +Ag <sup>++</sup>	Fusarium	Every 4 days	After one month from planting up to harvesting	6lt/ha

By using Huwa-San TR-50 as per the table the problem of fusarium inside the soil greatly reduced, with better quality of peas and higher yields. Based on these results the grower had decided to use Huwa-San for the full 8ha.

## the Primary Benefit

Fusarium problem solved and quality and yield of the peas are at its optimum.

## the Secondary Benefit

The improved soil quality will certainly contribute to a better pea's cultivation in the future.

The technical guidance and service also plays a significant role on the improvement of the of quality peas.

## the Return on Investment

Huwa-San TR50 treatment improves the quality of peas, decreases the loss and contributes to a higher yield.

## the Return on Environment

Huwa-San is very environmental friendly and biodegradable. The only by-products are water and oxygen. Through the use of Huwa-San TR-50 there is a reduced use of pesticide and lower water consumption.