



# FARM GATE REPORT

## EARTH ALIVE SOIL ACTIVATOR™



### TRIAL DETAILS

### OIL PALM

<i>Country:</i>	Colombia	<i>Application rate:</i>	50g, 75g, and 100g per palm
<i>Region:</i>	Cabuyaro, Meta	<i>Application method:</i>	Drench
<i>Variety:</i>	Mercedes	<i>Application date:</i>	11 January 2017
<i>Irrigation:</i>	In-furrow flooding	<i>Planting date:</i>	2005

### RESULTS

Thirty plants in each treatment area were randomly selected for harvest data tracking. Harvest data from each of the selected palms was recorded starting two weeks after application, and continuing bi-weekly. Collected data was used to calculate the average bunch weight, the average number of bunches harvested per tree, and total yield per tree. The results are summarized in Table 1.

Bunch weights were approximately equal across treatments, averaging 12.3 kg/bunch. All three Soil Activator doses produced more bunches per tree than the untreated control, with the highest average in the 75 g/tree treatment. Average yield per tree was calculated by multiplying the average bunch weight by the average number of harvested bunches per tree. All three Soil Activator doses produced higher average yield per tree, with the highest yield in the 75 g/tree dose.

In this trial, all three doses of Soil Activator promoted productivity and resulted in yield increases between 10 – 32%.



**Table 1: Harvest data averaged over the period of February 15 – October 17, 2017**

	Control	50 g/palm	75 g/palm	100 g/palm
Average bunch weight (kg)	12.15	11.44	12.85	12.87
Average number of bunches per tree (% of control)	6.1	7.1 +17%	7.6 +25%	7.1 +17%
Average yield per tree (kg) (% of control)	74	82 +10%	98 +32%	92 +24%