

BOCASH –

*FERTILISATION BY THE
LIVING ORGANISMS*

BOCASH –

Mean-precooking the organic matter on its own steam, taking advantage of heat generated by their aerobic fermentation

BOCASH MATERIALS FOR RECENTLY TRANSPLANTED VEGETABLE AND SEED BED

INGREDIENTS	QUANTITIES
POULTRY MANURES	20 SACKS
SOIL	20 SACKS
CRUSHED CHARCOAL DUSTS	6 SACKS
RICE BRAN	2 SACKS
MOLLASES	40 LITRES
Agricultural lime/ash	4 kg
Bakers yeast	100 gms
Water (fist test)	Only once 30 to 40 %
NATIVE MICRO-ORGANISM	15 KGS
BONE POWDER	15 Kg

AMOUNT OF BOCASH USED IN DIFFERENT CROPS

CROP	AMOUNT
SSEDLINGS DEVELOPMENT IN TREYS- PLANTING MEDIUM	MIX 80 PART OF SIFTED SOIL WITH 20 PARTS BOCASH 60 PART SITED SOIL TO 40 PART BOCASH
FRUITS TREE BAGGING MEIUM	60 PARTS SOIL TO 40 PART BOCASH
LEAF VEGETABLES	50 TO 80 GRAMS
ROOT VEGETABLES	100 TO 150 GRAMS
VEGETABLES THAT FORM HEADS	200 GRAMS
TOMATOE	125 TO 250 GRAMS
ONION OR CHIVE	25 TO 50 GRAMS
BEET ROOT	100 GRAMS
LETTUCE	50 TO 80 GRAMS
BEANS/ MAIZE	30 TO 50 GRAMS
BRASSICAS	50 TO 80 GRAMS
CUCUMBER	50 TO 80 GRAMS

BENEFITS OF DOING BIO-FERTILIZER AT HOME

- LOW INVESTMENT (INGREDIENTS & EQUIPMENTS}
- EASY TO GET INGREDIENTS (EVEN FOR FREE}
- COMMON SENSE TECHNOLOGY
- POSSIBILITY TO COMBINE WITH OTHER LAND MANAGEMENT

MAKING BOCASH WITH INMATES



TRAINING COMMUNITY MEMBERS



COMMUNITY TRAINING



READY FOR USE



24/10/17



28/10/17



2/11/17



2/11/17



4/11/17



8/11/17



2/12/17



5/12/17



HEALTHY CROPS GROWN BY BOCASH





FAST GROWTH IN MAIZE





READY BOCASH



BOCASH USED IN SPINACH



BOCASH- INCREASE COFFEE PRODUCTION



BIO-FERTILIZER INCREASES RATE OF FLOWERING



MORE COFFEE BERRIES



COFFEE TREE RECOVERS QUICKLY FROM STRESS AFTER USE OF BIO-FERTILIZERS



LARGE COFFEE BERRIES GIVING HIGH QUALITY



FARMERS TRAINING ON COFFEE



COFFEE FARMERS SHARING EXPERIENCE ON USE OF BIO & BOCASH



FARMERS TRAINING

BIO-FERTILIZERS



BOCASH



FARMERS COMPARE RESULTS OF CATTLE MANURE AND BOCASH IN MAIZE INTERCROPPED WITH BEANS (PLANTED SAME DATE)

USED CATTLE MANURE ONLY

BOCASH ONLY USED HERE



Trial on maize



Mr. Nderitu farm



Observation made

- ✓ Quality of bocash highly dependent on source and quality of raw materials
- ✓ Bocash used within 30 days is more effective in different crops
- ✓ Bocash respond differently to various soil with different soil fertility levels
- ✓ Continuous use of bocash improves soil fertility and yield
- ✓ Crops grown with bocash are disease resistant.

THANK YOU