

FIG. 1

TREATMENT	CROP	MYCORRHIZAL INFECTION RATE (%)	FULL FRESH WEIGHT (g)	FRESH ROOT WEIGHT (g)
CONTROL	Mi	0	199.9 ± 7.7	59.5 ± 2.9
	Sa	0	69.2 ± 5.6	10.5 ± 0.8
	Ru	0	19.4 ± 2.7	3.7 ± 0.5
	Rm	0	129.1 ± 14.0	17.7 ± 2.2
	Rk	0	182.5 ± 42.7	17.8 ± 4.1
	Ti	0	308.6 ± 39.9	21.3 ± 3.2
	Ko	0	140.3 ± 11.1	14.7 ± 2.3
	Pi	0	203.8 ± 15.4	34.0 ± 1.6
AMF+PB+PP	Mi	8.0 ± 0.7	277.9 ± 15.6	78.3 ± 6.0
	Sa	5.0 ± 0.3	105.6 ± 5.5	15.5 ± 0.7
	Ru	2.5 ± 0.5	129.3 ± 10.5	19.0 ± 3.5
	Rm	1.9 ± 0.6	208.7 ± 27.4	21.3 ± 5.4
	Rk	1.8 ± 0.3	328.6 ± 28.5	27.8 ± 2.4
	Ti	3.4 ± 0.1	382.6 ± 40.2	22.9 ± 2.4
	Ko	1.5 ± 0.6	365.9 ± 51.8	18.9 ± 4.7
	Pi	2.4 ± 0.6	352.4 ± 44.6	32.2 ± 3.6

FIG. 2



FIG. 3

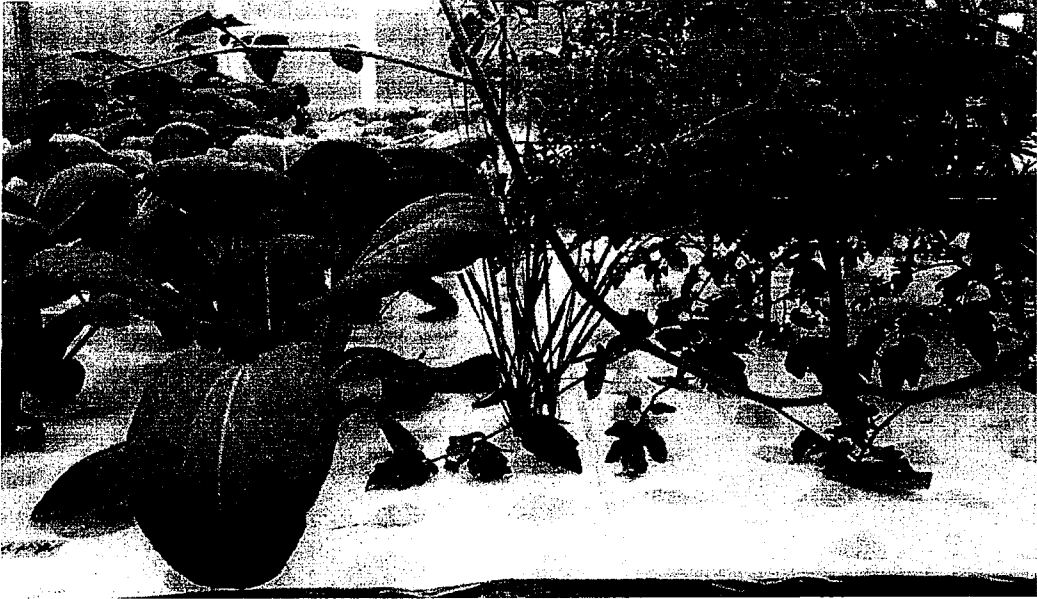


FIG. 4



FIG. 5



FIG. 6

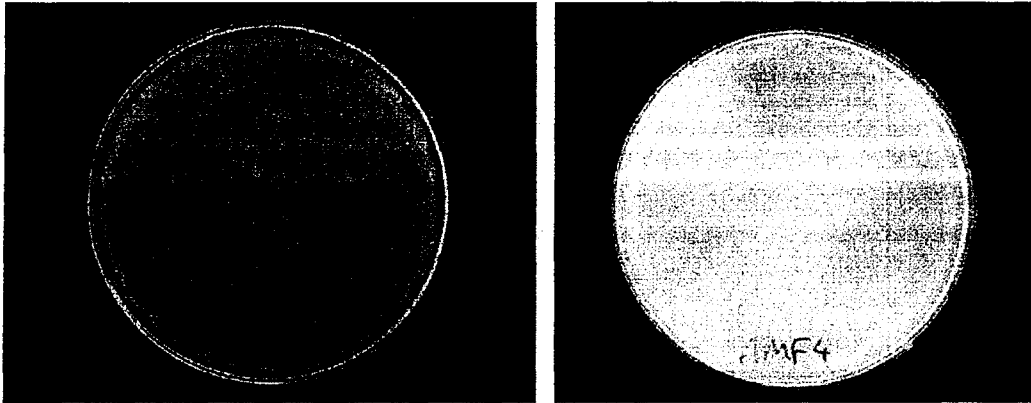


FIG. 7

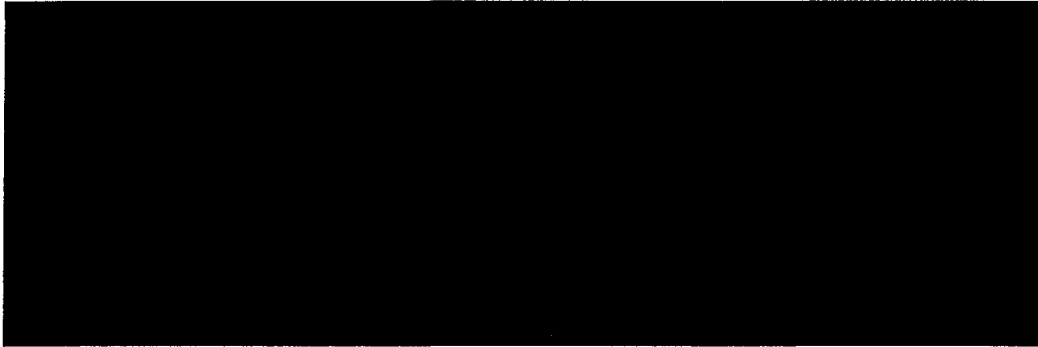


FIG. 8



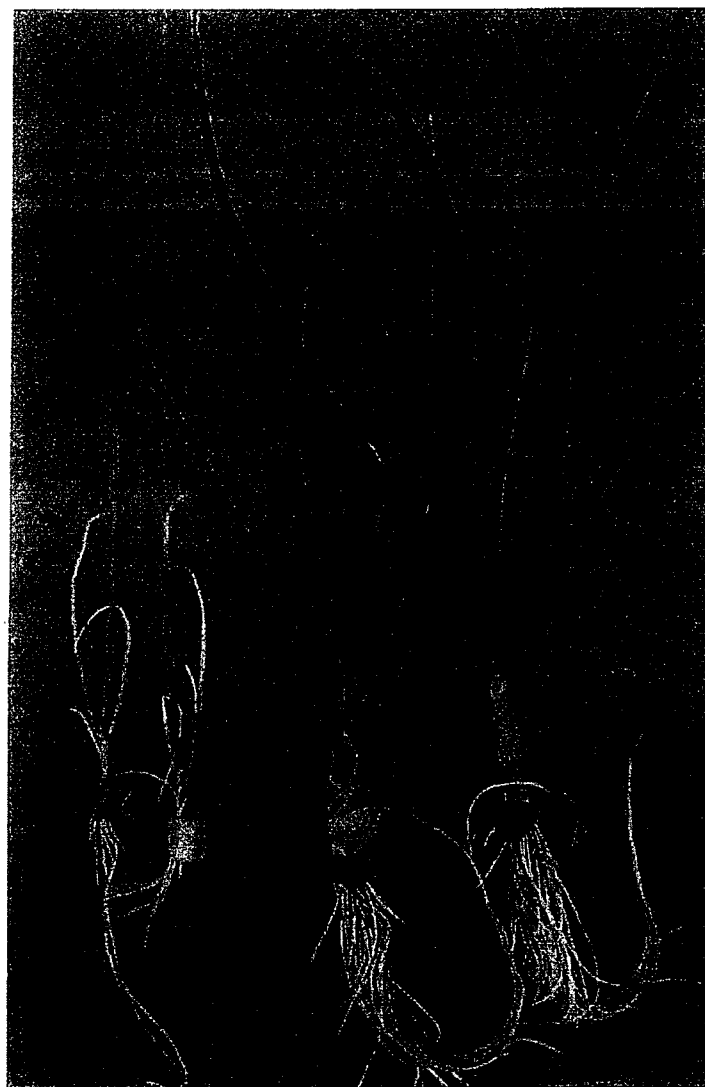
FIG. 9

TREATMENT	SUGAR CONTENT (Brix)	ACIDITY (%)	SUGAR/ACID RATIO
CONTROL	7.9 ± 0.3	0.9 ± 0.0	8.8 ± 0.3
AMF+PB+PP	9.4 ± 0.1	0.5 ± 0.0	18.8 ± 1.3

FIG. 10

TREATMENT	EC (mS/cm)	FULL FRESH WEIGHT (g)	FRESH ROOT WEIGHT (g)
CHEMICAL FERTILIZER (CONV. CONC.)	1.2	88.8 ± 11.4	15.4 ± 0.9
CHEMICAL FERTILIZER (1/2 CONC.)	0.6	17.3 ± 2.7	3.7 ± 0.6
GREEN MANURE (CONV. CONC.)	1.2	46.2 ± 2.4	14.9 ± 1.1
GREEN MANURE (1/2 CONC.)	0.6	43.3 ± 2.7	14.4 ± 0.5

FIG. 11



CONTROL

AMF+PB+PP+OLF

FIG. 12

TREATMENT	CROP	MYCORRHIZAL INFECTION RATE (%)	FULL FRESH WEIGHT (g)	FRESH ROOT WEIGHT (g)
CONTROL (CONVENTIONAL)	GARLAND CHRYSANTHEMUM	0	25.8 $\pm$ 2.4	7.3 $\pm$ 0.6
	GREEN ONION	0	1.4 $\pm$ 0.1	0.3 $\pm$ 0.1
AMF+PB+PP+OLF	GARLAND CHRYSANTHEMUM	5.6 $\pm$ 0.1 Y	143.1 $\pm$ 12.7 **X	34.6 $\pm$ 4.0 **
	GREEN ONION	3.6 $\pm$ 0.2	11.4 $\pm$ 0.4 **	2.5 $\pm$ 0.1 **

Z: AS THE ORGANIC LIQUID FERTILIZER (OLF, GREEN MANURE), COMMON VETCH WAS USED
AFTER FERMENTING IT WITH PB COMPOSED PRIMARILY OF BACILLUS SUBTILIS.

Y: MEAN $\pm$ STANDARD ERROR (N = 5)

X: ANOVA(**: 1% LEVEL)