

SUMMARY OF BITTER MANIOC ~~YIELD~~ REGRESSION:

1.) ORIGINAL DATA SET: 64 cases

2.) CULLING THE DATA SET:

a.) INVALID DATA:

- field areas less than 0.5 hectare
- incomplete data for growth period, yield or area

b.) EXCLUDED CATEGORIES OF VALID DATA:

- growth periods less than 1 year
- growth periods over 2 years

3.) ADJUSTMENTS AND TRANSFORMATIONS OF THE DATA:

- none, but pH can be considered to be adjusted to 5.0 since this is the highest pH value present in the culled data set. This is also a reasonable value for the critical pH above which further increases will not improve manioc yields.

4.) BITTER MANIOC ~~YIELD~~ REGRESSION EQUATION:

Bitter manioc
yield = 4124.4 * pH - 17369
(kg farinha/ha)

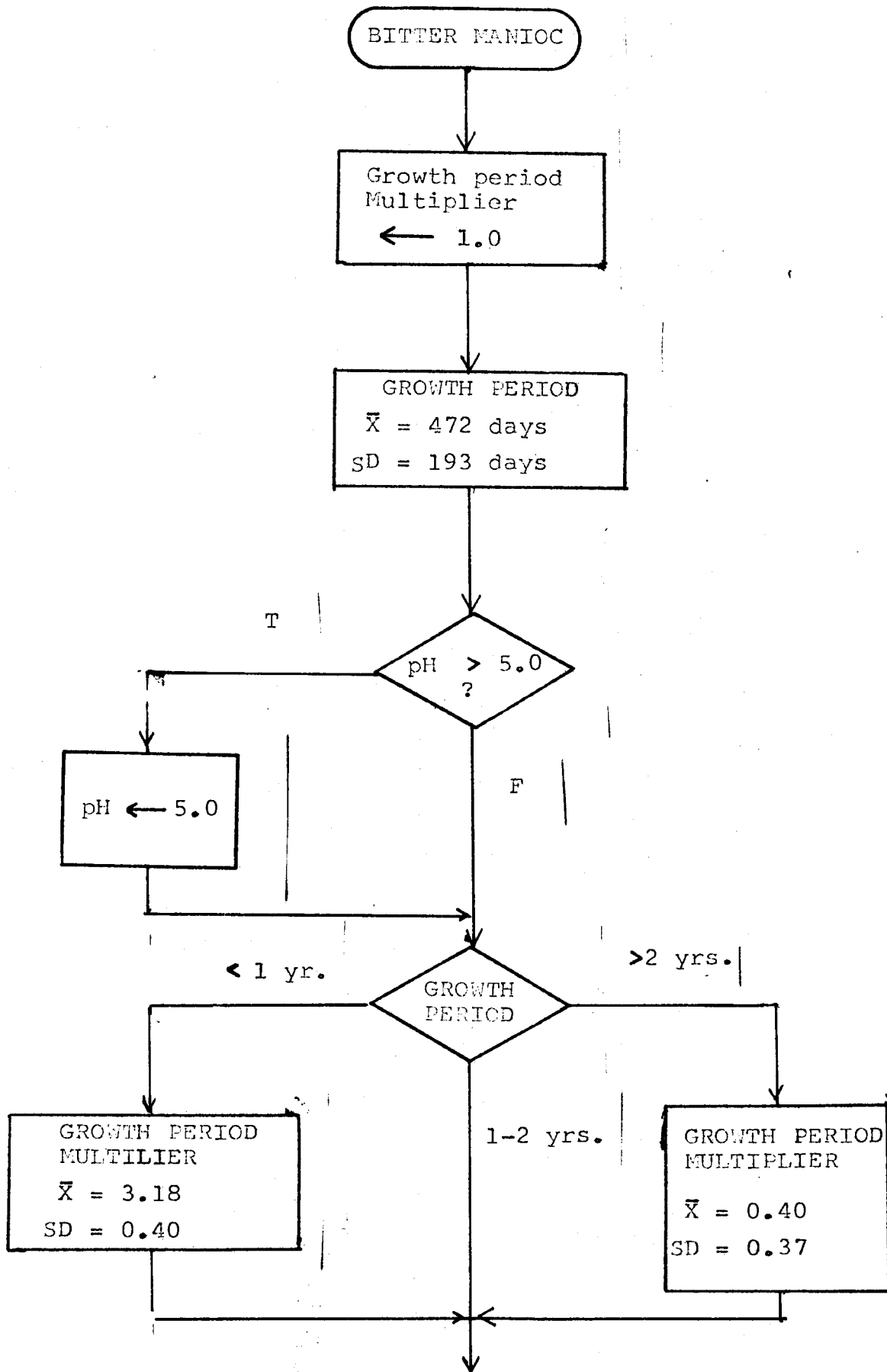
$$p = 0.0223$$

$$r = 0.9294$$

$$r^2 = 0.8639$$

$$SE = 414.22$$

$$N = 5$$



Regression
Predicted
Yield ← 4124.4 * pH - 17369
(kg farinha/
ha/ 12 months
growth)

SE = 414

Bitter manioc
Yield (kg farinha/ha) ← Regression
Predicted Yield (kg farinha/
ha/12 months) * GROWTH
PERIOD (days) / 365
(days/
12 mos) * Growth
Period
Multiplier

END