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I64ES
32
AG-100
(5A)-TI
1980

Field Population: Planter Calibration

I. Objective

This addition to Field Population (AG-100 (5) - TI) program aids in planter calibration by specifying the number of kernels needed per 10 feet of row to achieve a desired density at planting.*

II. <u>Inputs</u>	<u>Units</u>	<u>Label</u>	<u>Example</u>
1) Row Spacing	inches	A	30.
2) Desired population	seeds/Acre	E	22000.

III. Output

Kernels per 10 feet of row	#/10 feet	E'	13.
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IV. Procedure

- 1) Printer may be used but is not necessary.
- 2) When the program card is read in the calculator is ready for use.
- 3) Required inputs are row spacing (inches) and desired population density. The output is given in kernels per 10 feet of row for accuracy if few kernels per foot are dropped. In dense plantings the user can easily determine the count per foot or per 5 feet by dividing the output by 10 or by 2.

TI-59 Coding Form

<u>Display</u>	<u>Key</u>	<u>Display</u>	<u>Key</u>	<u>Display</u>	<u>Key</u>
044	76 LBL	054	55 ÷	064	01 1
045	15 E	055	04 4	065	93 .
046	99 PRT	056	03 3	066	02 2
047	42 STD	057	05 5	067	95 =
048	04 04	058	06 6	068	58 FIX
049	92 RTN	059	00 0	069	00 0
050	76 LBL	060	65 ×	070	99 PRT
051	10 E'	061	43 RCL	071	98 ADV
052	43 RCL	062	01 01	072	92 RTN
053	04 04	063	55 ÷	073	00 0

*Population at planting should equal final desired population x 1.15.

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