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## EC90-732 Sugarbeet Population and Spacing Calculator

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# SUGARBEET POPULATION AND SPACING CALCULATOR



**University of  
Nebraska**

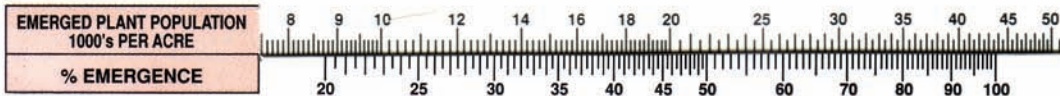
Panhandle Research and Extension Center  
4502 Ave. I, Scottsbluff, NE 69361

Produced in cooperation with



**Western Sugar**

Mitchell, Scottsbluff & Bayard, NE  
Billings, MT Lovell, WY Greeley & Ft. Morgan, CO



PUBLICATION EC 90-732

## 30" ROW SPACING

See other side for 22" Row Spacing.

### EXAMPLE 1: FIND SEED POPULATION AND SEED SPACING FROM DESIRED PLANT POPULATION AND ESTIMATED % EMERGENCE

Set Emerged Plant Population for 20,000 at 65%  
Emergence. Read 31,000 seed Population and 6 3/4  
inch seed Spacing at respective arrows (30" rows).

### EXAMPLE 2: FIND PLANT POPULATION FROM PLANTS/100 FT. OF ROW

Set 180 Plants Per 100 Feet of row at arrow.  
Read 31,500 plant Population at arrow (30" rows).

See other side for additional example

# SUGARBEET POPULATION AND SPACING CALCULATOR

Lineal row feet per acre - 22" row = 23,760 feet

Lineal row feet per acre - 30" row = 17,424 feet

## TRACTOR SPEEDS

SPEED (MPH)	TIME (seconds) TO TRAVEL	
	100 FT.	200 FT.
3.0	23	45
3.5	20	39
4.0	17	34
4.5	15	30

For optimum planter performance, maintain planting speed of 3.5 mph or less.



## 22" ROW SPACING

See other side for 30" Row Spacing.

### EXAMPLE 3: FIND PLANT POPULATION FROM SEED POPULATION & ESTIMATED % EMERGENCE

Set 40,000 seed Population at arrow. Read 7 1/8 inch seed spacing at arrow and 28,000 Emerged Plant Population at 70% Emergence (22" rows).

See other side for additional examples

**AUTHORS:**  
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