

## Soybean Hoop Method

1. How to do stand counts: NH<sup>3</sup> hose works well for determining populations of drilled soybeans. A 127" length of this hose fastened together at the two ends with a barb, wooden dowel or duct tape makes a good hoop that can be tossed on the field to determine the population. Each soybean found within the center of the hoop represents 5,000 plants per acre.
2. A 28" diameter hoop, take the plants counted in the hoop times 10,000. Due to the smaller sample size take a few more counts with this size hoop.

Rowed Bean	Stand Count Distances
15"	34'-10" is 1/1,000 <sup>th</sup> of an acre
19"	26'-6"
30"	17'-5"
38"	13'-9"

3. A real hula-hoop can be used to estimate drilled or broadcasted soybean populations. Randomly throw the hula-hoop in at least five locations in a soybean field and average the results. If you know the inside diameter of the hoop you can estimate the number of plants per acre.

Inside Diameter of Hoop	Each Plant Inside Hoop Represents Plants per Acre
18"	24,662
21"	18,119
24"	13,872
27"	10,961
30"	8,878
33"	7,337
36"	6,165

*Example: 18" hoop (5 plants inside hoop)  
 $5 \times 24,662 = 123,310$  Plants/Acre*