

BASIC FORMULA

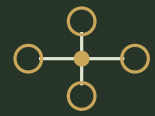
Plants per acre = count in 1/1000 acre row length x 1,000. Use drone imagery to identify where to sample, then ground-check representative zones.

Row spacing	1/1000 acre row length	Quick field use
30 in	17 ft 5 in	Common corn row length for a hand count
20 in	26 ft 2 in	Narrow-row corn / specialty
15 in	34 ft 10 in	Soybean drilled/narrow rows
7.5 in	69 ft 8 in	Drilled beans/wheat - consider area frame instead

STAND SAMPLE LOG

Sample	Zone / map color	Row spacing	Plant count	Notes / missing plants / doubles

AVERAGE POPULATION AND DECISION NOTES



DRONE-ASSISTED EMERGENCE CHECKLIST

- Fly early enough to see row gaps clearly
- Use consistent altitude and overlap for comparison
- Mark zones with skips, doubles, crusting, wet holes, or residue issues
- Compare against planting date, hybrid/variety, planter pass, soil type
- Ground-count at healthy, moderate, and poor zones
- Photograph representative row segments
- Document replant boundaries if needed
- Do not make replant decisions from imagery alone

REPLANT / REPAIR PROMPTS

- Is the poor stand contiguous enough to replant or repair?
- Is the remaining stand uniform or patchy?
- Is the calendar still favorable for the crop and hybrid maturity?
- Is the cause fixed, or would replanting repeat the problem?
- What acres are affected, and can the boundary be exported or flagged?

DECISION / AGRONOMIST RECOMMENDATION / FOLLOW-UP FLIGHT
