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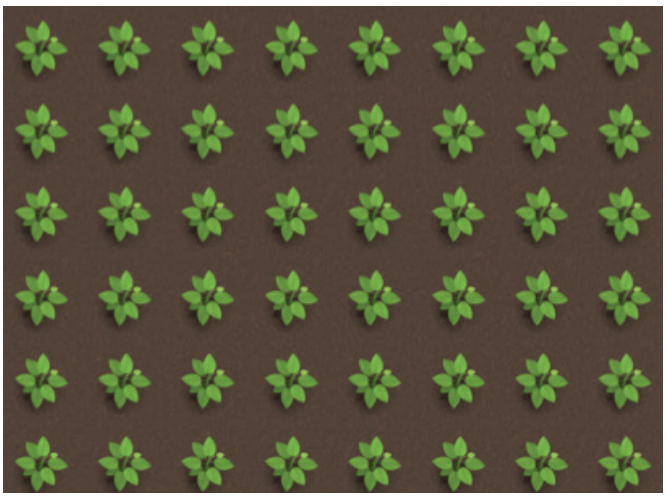
Recommended Sets

Recommended sets refer to the number of plants planted per acre, hectare or square meter. They need to be provided for plants and crops such as corn, wheat, lettuce, palm trees, bananas and other crops with little or no space between the individual plants. By knowing the recommended set, the system is able to verify case-specific metrics and assure maximum accuracy. There are different ways of determining the recommended set.

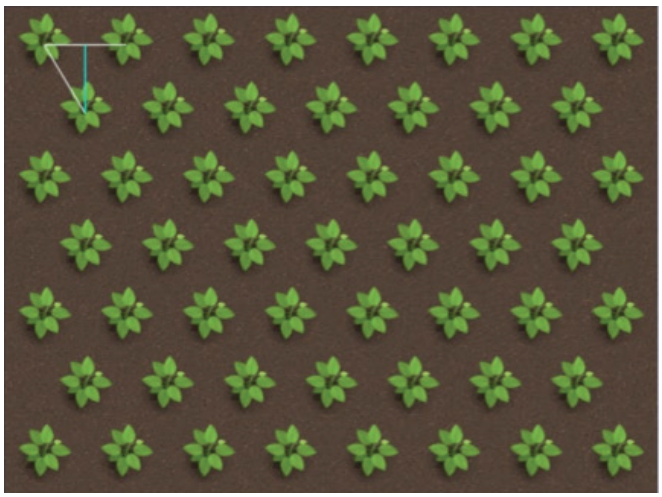
Patterns for Planting

The most commonly used planting patterns are square spacing or triangular spacing.

Square



Triangular



As the recommended set varies depending on the planting pattern, please let us know which pattern you used.

Distance Between Rows and Plants

By providing us data on the average distance between plants as well as the distance between rows, we can determine the recommended set as well. This the most accurate way of determining the recommended set.

Accuracy:

Level of Difficulty:

Producer Recommendation

Enter the seeding density recommended by your seed producer when submitting your analysis request. This option is the less accurate one, as the producer's recommendations don't necessarily have to be in line with the actual number of planted plants on the field.

Seed producers usually show the recommended seeding density on the seed packaging:

Corn hybrid	FAO group	Type	Seeding Density Plant/ha	Suitable for silage
PIONEER. PR35T36	FAO 610	grain	65 000 – 68 000	
PIONEER. P0725	FAO 630	grain	69 000 – 71 000	✓
PIONEER. P0837	FAO 630	grain	69 000 – 71 000	✓
PIONEER. P0865	FAO 640	grain	69 000 – 72 000	
PIONEER. P1114	FAO 670	grain	69 000 – 71 000	✓

Accuracy:

Level of Difficulty:

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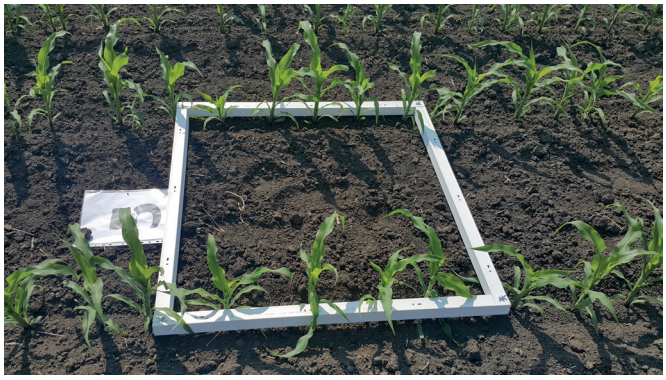
Ground Truth Marker

In order to minimize margin of error every map should still be ground-truthed. And it's very easy to do!

Choose a small and healthy area on your field and use pipes or frames to show how many plants have emerged in this area (use pipes or similar items which are 1 m long or a hoop with an inside diameter of 56 cm).

We recommend that you send us a picture of the labeled area (a picture taken with your smartphone is fine – just like in the pictures below).