

NEW PLANT POPULATION CALCULATOR: COTTON POP

Welcome to the FastStart™ Cotton plant population app - Cotton POP. This app was developed as part of the FastStart™ Cotton initiative between Cotton Seed Distributors (CSD) and Syngenta.

Now in its 10th year of operation, FastStart™ has funded many R&D projects and programs providing tangible outcomes to Australian cotton growers.

WHAT IS COTTON POP?

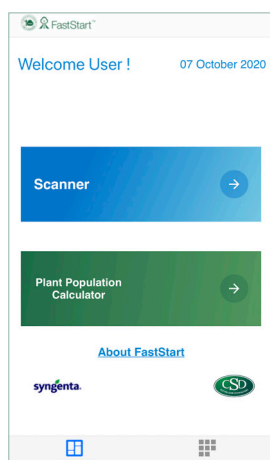
This simple to use app allows the user to quickly and easily scan a row of cotton or manually enter in row counts to calculate average plant population.

PLANT POPULATION CALCULATOR

This simple to use calculator allows manual entry of the planter row spacing (cm) and then individual plant counts per linear metre.

Multiple rows can be added in the input screen, once plant counts are entered the app will calculate the average number of plants per linear metre, metre squared and per hectare.

This app is intuitive and easy to use, however it does include a 'how to use guide' which walks the user through the two options available. There is a handy link to saved files to quickly look up saved assessments. Links to Syngenta Seedcare™ products, Syngenta and CSD websites are also included.



SCANNER

The scanner option (pictured right) is a powerful tool allowing the user to capture each seedling along the desired length of row assessed.

The user will see a blue grid on screen, then simply tap the screen for each seedling present while walking along the row.

Once the assessment is complete the farm, field, variety and planter box row number can be entered. This file is saved to the phone and can be sent via text or email.

As indicated, the average plant establishment was 10.3 seedlings/m, the average spacing in centimetres between plants is 10 cm and a standard deviation of 2.7cm.

A total of 21 seedlings were counted in the 1.94 metres assessed. The scanner provides the additional benefit of automatically recording the gap in centimetres between each seedling, of the assessed row.

