

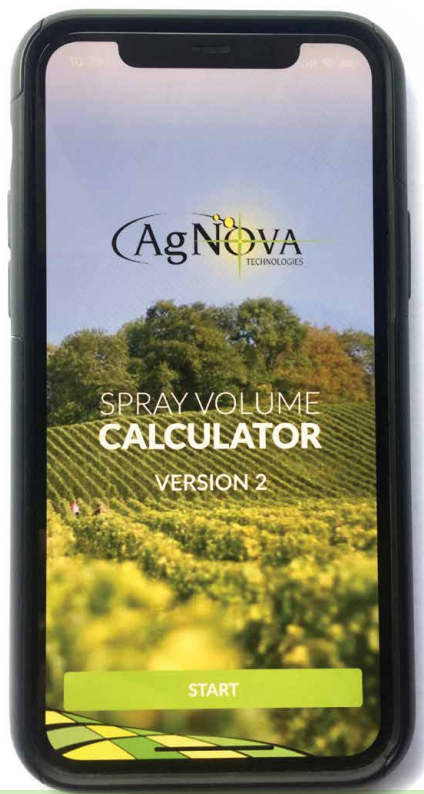
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Spray Volume Calculator App

AgNova has updated the spray volume calculator app to check and calculate the required full dilute spray volume for a given vine canopy; explain the difference between dilute and concentrate spray volumes; and determine the rate and consequent dose.

The updated app features:

- choice of canopy types, densities and growth stages;
- indicates the area your spray tank volume will cover;
- specifies the amount of product to add to a full tank;
- the ability to save and share the calculations and record spray equipment set up for future reference.



Search the app store for **AgNova** or follow these links to download it:



iPhone
<https://tinyurl.com/vineyardapp>



Android
<https://tinyurl.com/vineyardcalc>

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Vineyard Application Calibration

Optimising spray application is essential to ensure the best possible result is achieved when applying agrochemicals in the vineyard. AgNova champions the correct application of not only our fungicides, Flute®, Kusabi® & Zampro® but all foliar applied products.

There are two main aspects to ensuring correct product application:

1. Coverage

- a. Spray equipment has to be configured correctly so that the whole vine, including bunches, receives even coverage. This includes optimising nozzles/fans, ground speeds, water volumes and pressures etc. Likewise, if you are spraying just the bunch line, the spray equipment needs to be adjusted and calibrated to achieve this outcome.
- b. Surround® can be used in the calibration procedure as a visual indicator of even coverage. Surround forms a white barrier coating on crops (for protection from sunburn and heat stress while still allowing usable light to penetrate). However, due to its white appearance, it can also be used to assess coverage.
- c. As the crop grows, spray equipment should be calibrated regularly during the season to ensure continued even coverage.

2. Dose

During product development, the rate is determined using the full dilute spray volume (meaning to the point of run-off throughout the crop canopy). This is a concentration factor of one (CF1).

Good spray coverage is achievable at less than dilute volumes (concentrate spraying). The product rate per 100 L must be adjusted by multiplying by the CF to apply the correct dose, and the spray equipment must be properly calibrated.

For example, if the correct dilute volume is 1000 L/ha and the target concentrate volume is 500 L/ha, the rate of product per 100 L needs to be increased 2X (CF2).