

Syngenta's **Greencast Services**

Introducing new turf tools to aid in
your turf management planning.

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Syngenta's Greencast Services



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Growing Degree Days

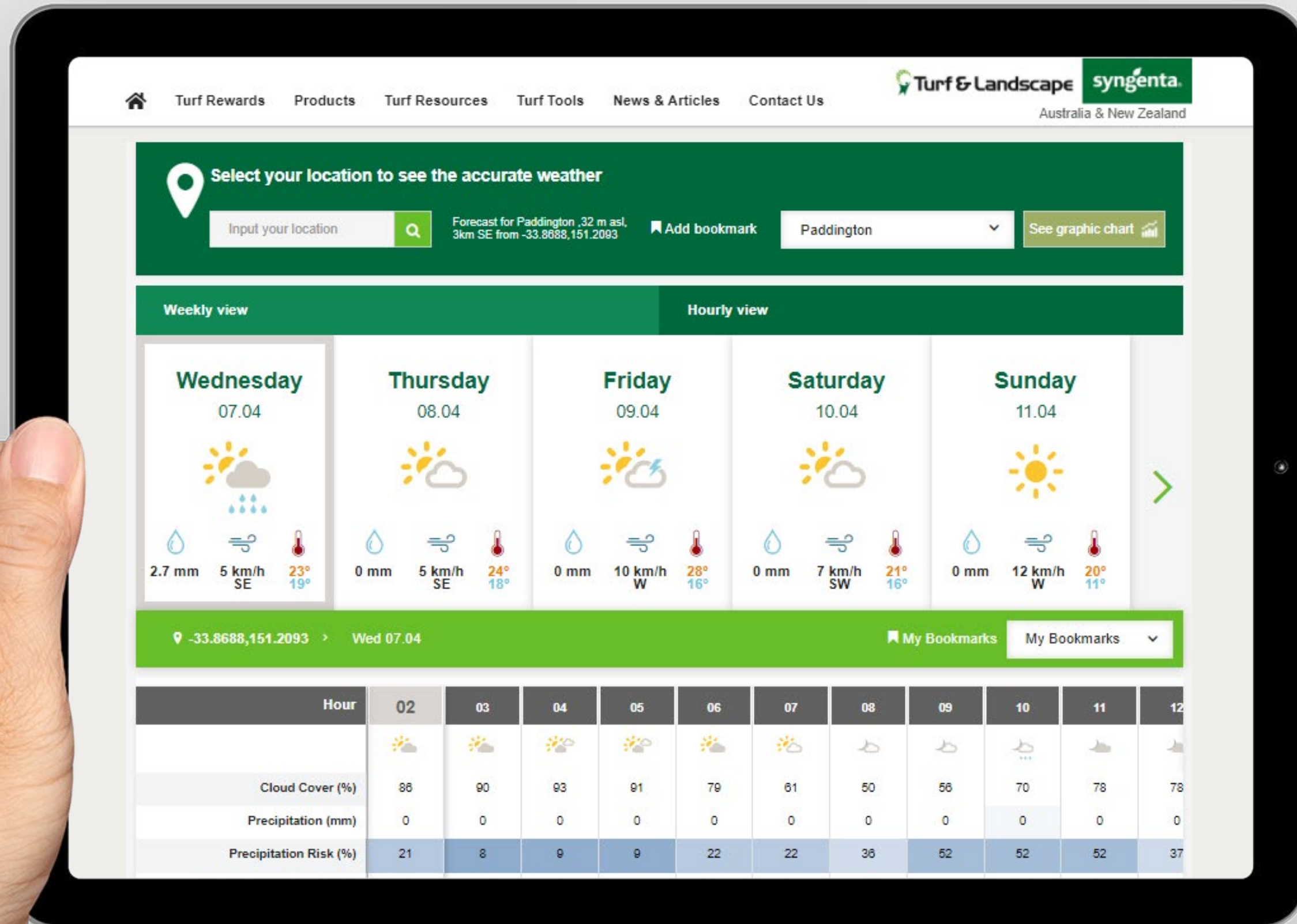
Growing Degree Days Calculator >

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Premium Weather Forecast

Comprehensive turf-specific weather forecasting and diagnostic tool.



Available only to registered users.

Multi-source datasets powered by Meteoblue learning multi-model (mLM), providing increased accuracy over the Bureau of Meteorology alone.

Data shown as daily average, eight hourly average or hourly average.

Ground spraying recommendation windows warn if weather likely not suitable for spraying products.

Disease risk windows based on environmental weather conditions.

Key turf growth temperatures.

Disease risk index forecasted for 7 days.

Other Weather Services:

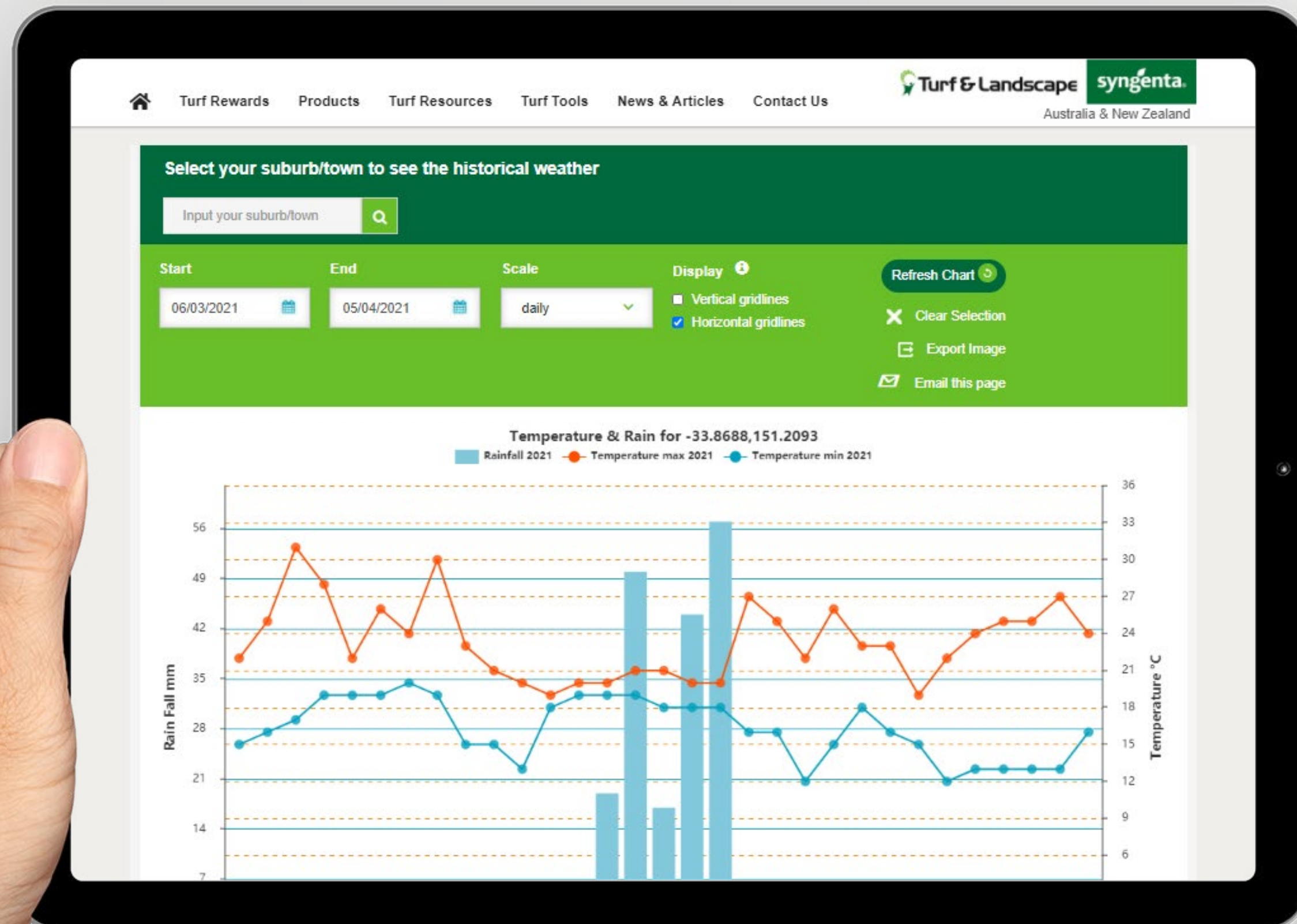
➤ [Historic Weather Data](#)

➤ [Greencast Pro Weather](#)



Historic Weather Data

Invaluable data source to visualise past weather patterns impacting your specific turf location.



Available only to registered users.

Displays multi-graphical condition output graphs.

Extract data graphs for your specific location, for use in management decisions and reporting.

Data includes temperature, rainfall, soil temperature, long-term extremes or averages, seasonal comparisons.

Scale data for daily, weekly, or monthly averages over multiple seasons and years.

Assists with planning and scheduling preventative programs. Especially when used in conjunction with the Premium Weather Forecast.

Can be used to maximise efficacy and longevity of product applications, based on seasonal changes and application timing.

Other Weather Services:

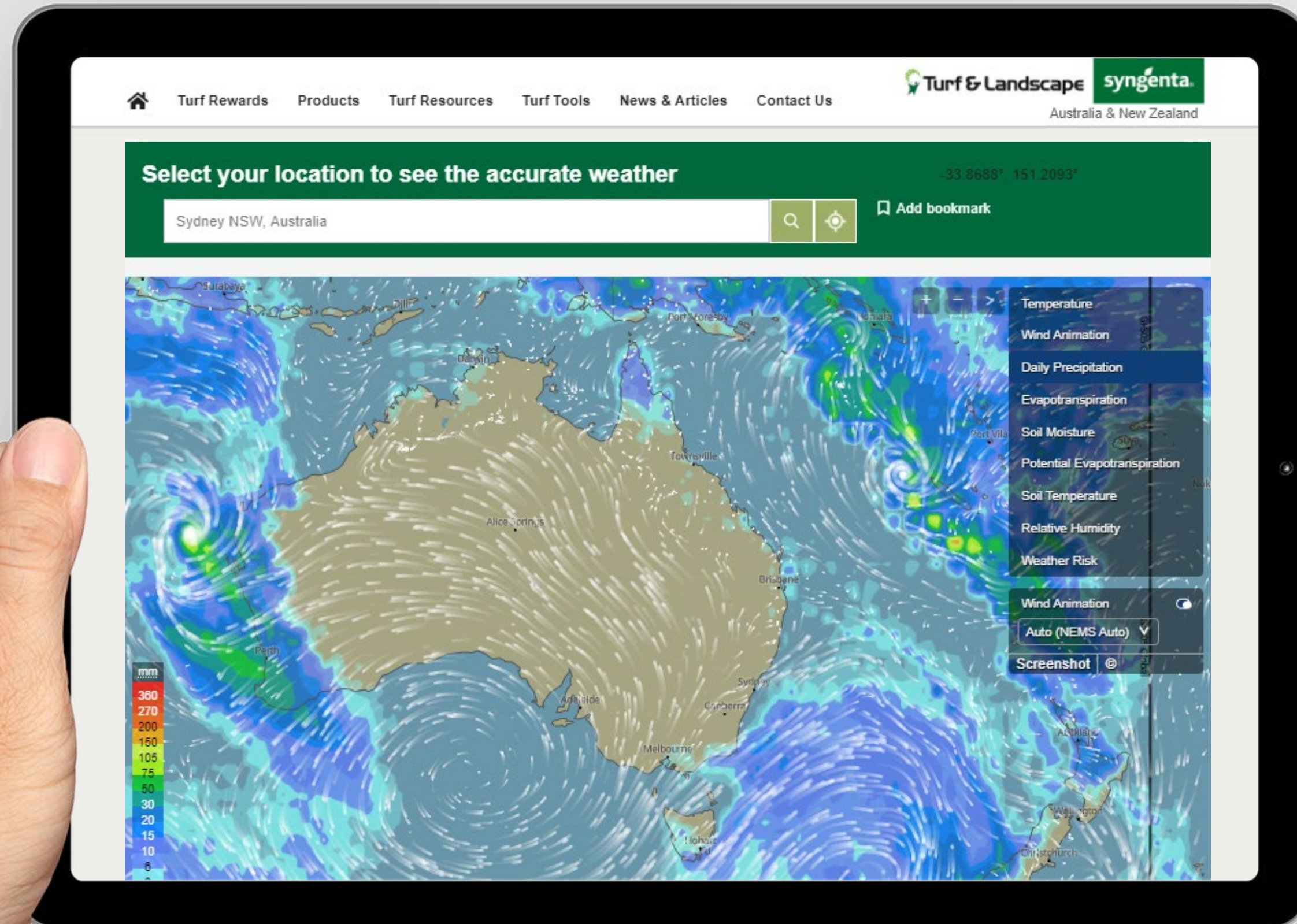
- Premium Weather Forecast
- Greencast Pro Weather

[Launch](#)



Greencast Pro Weather

Overview mapping of current and forecasted weather patterns.



Available only to registered users.

Gives crucial insight into the key weather features that impact directly on how you manage your turf.

Easy to interpret, visual representation of weather forecasts for your location to aid management decisions.

Data includes:

- **Soil temperature** – See the potential for turf growth and recovery
- **Wind speed and direction** – Plan all your treatment scheduling for accurate application
- **Weather risk** – Advance warning of severe or potentially damaging weather events
- **Humidity** – Essential for turf disease risk assessment and preventative action
- **Soil moisture map** – Vital guide for irrigation scheduling and moisture management
- **Evapotranspiration** – Prevent stressful plant wilt and use available water more efficiently

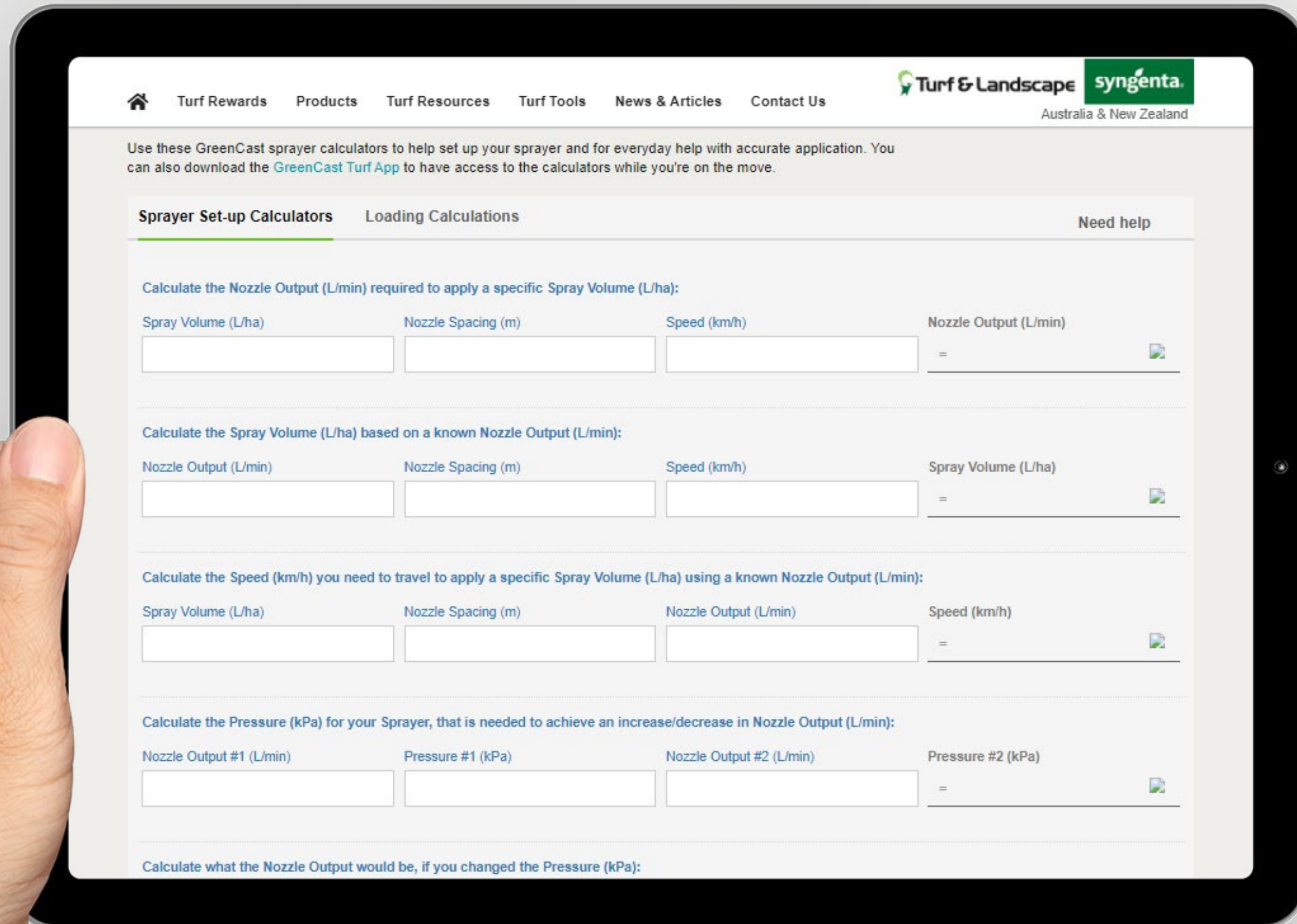
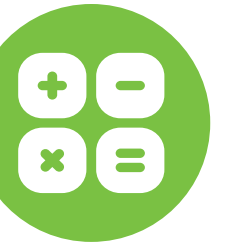
Other Weather Services:

- **Premium Weather Forecast**
- **Historic Weather Data**



Sprayer Set-up Calculator

Calibrate your sprayer with these helpful calculations to ensure precision application.



Available to all users.

Easy-to-follow calculations to use when first setting up your sprayer.

Risk minimisation tool, to ensure calculations are correct and to provide clear, concise spray information to the applicator.

Overall aim of using the calculations is to improve accuracy and thereby reduce the amount of chemical applications required per year.

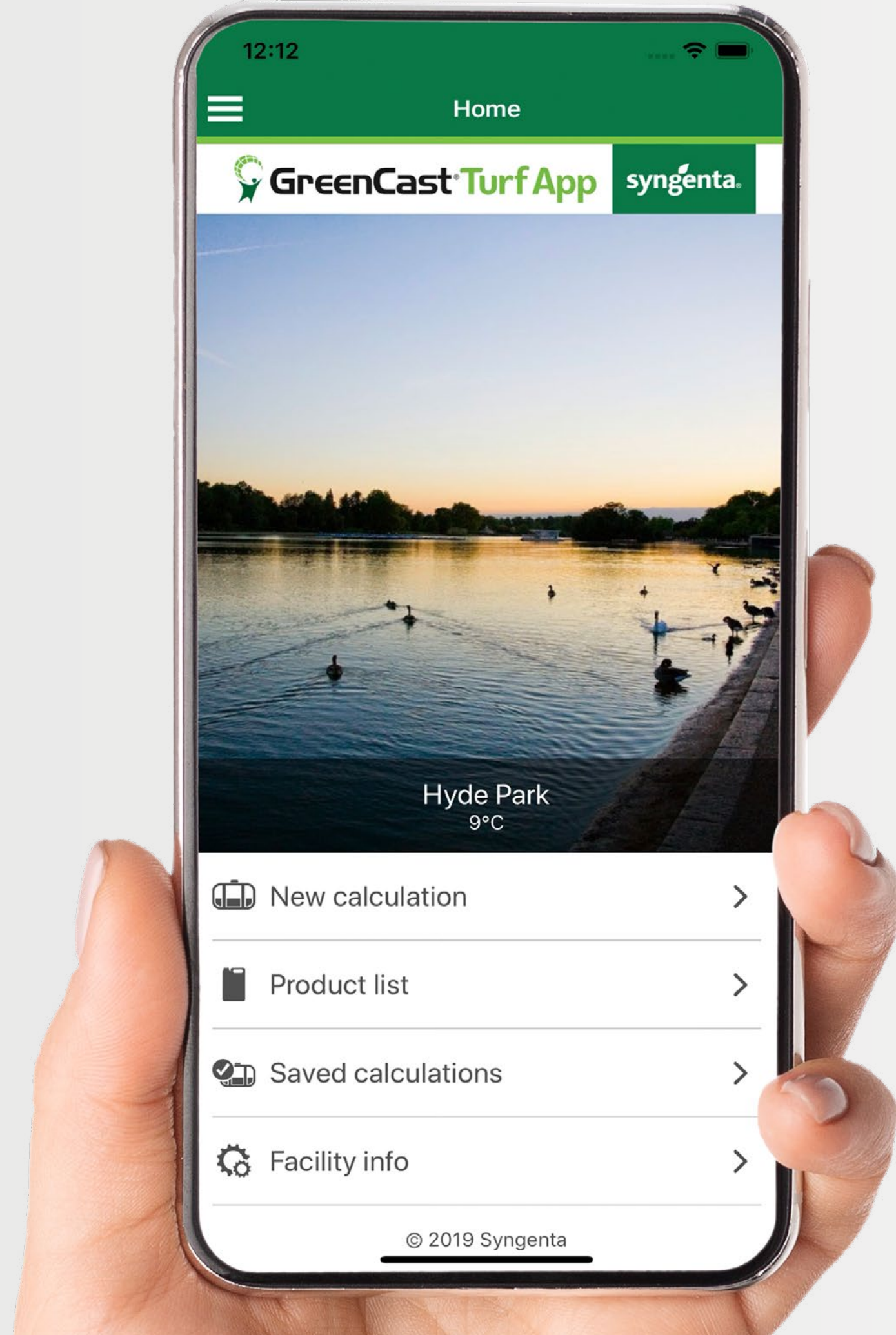
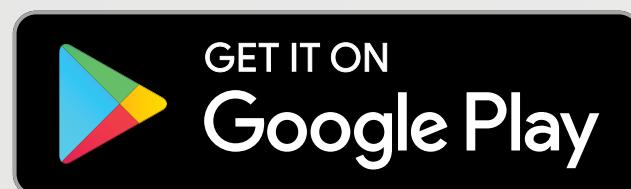
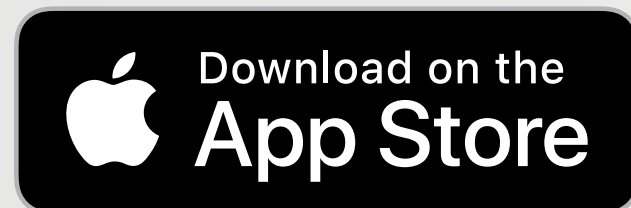
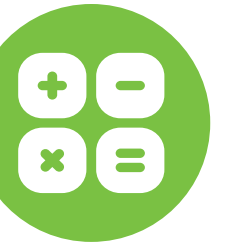
Other Application Services:

➤ [Greencast Turf App](#)



GreenCast Turf App

An on-the-go app that simplifies tank mixing, making it easier to manage your turf.



Available on Apple® and Android™ smartphones and tablets.

Ensuring accurate application is essential for the best possible results from Syngenta products. The GreenCast Turf App is an extension of the dedicated spray technology research and development from Syngenta.

Free tool designed to simplify tank mixing and much more. You can personalise your turf areas, add sprayers, spray tech info and record spray application details.

Provides easy access to product labels and SDS documents as well as application tips and spray mixing sheets.

Generate reports that you can save and share.

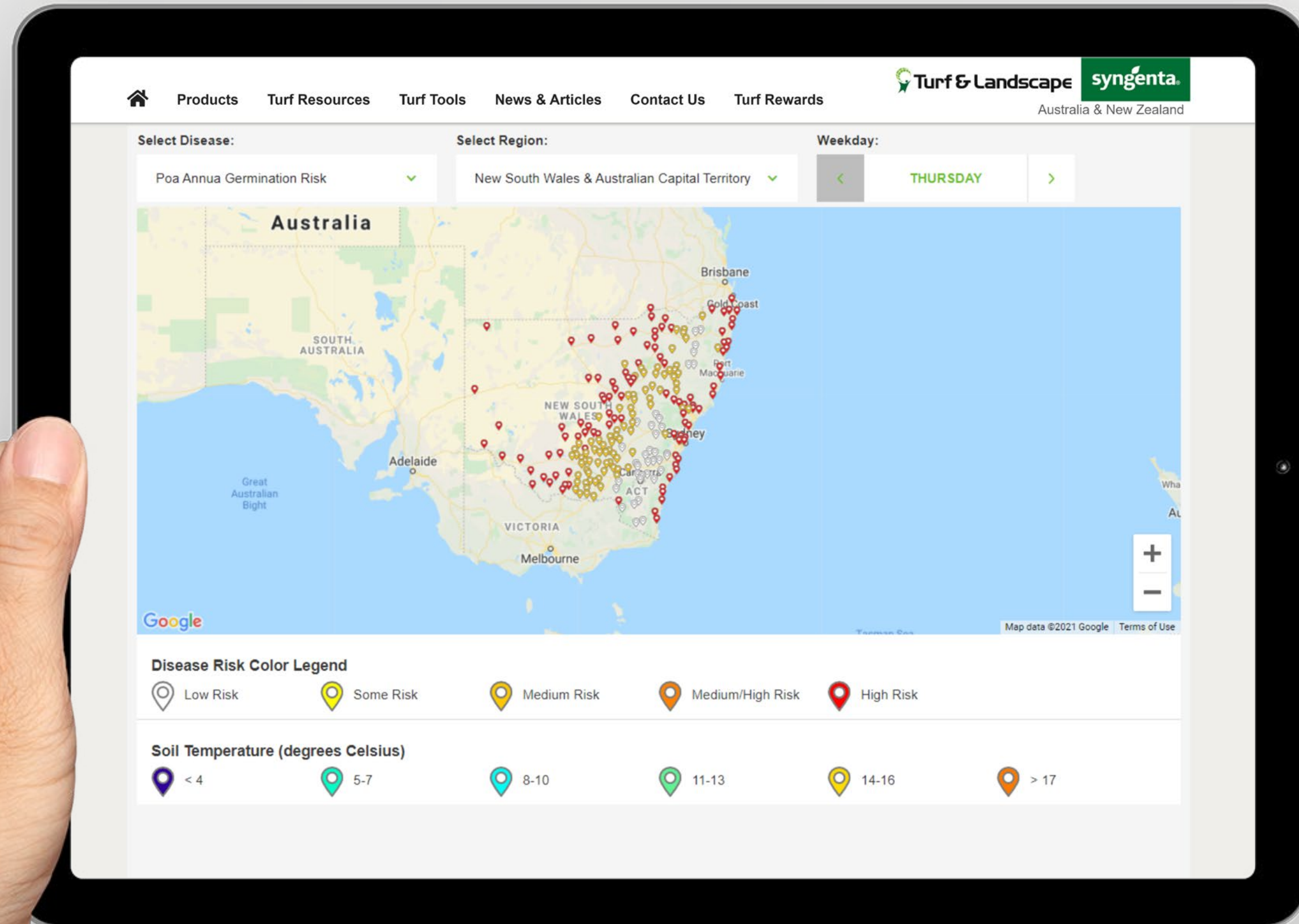
Other Application Services:

➤ **Sprayer Set-up Calculator**



Live Disease & Weed Forecast

Predictive turf disease maps and weed germination, with a five day forecast of potential outbreak risks.



Available only to registered users.

Useful guide to define risk of the potential disease or weed germination occurrence due to local conditions.

Risk models have been developed based on known parameters required for potential development.

Includes soil temperature maps.

Supports decision making on application timing, in conjunction with fields observations.

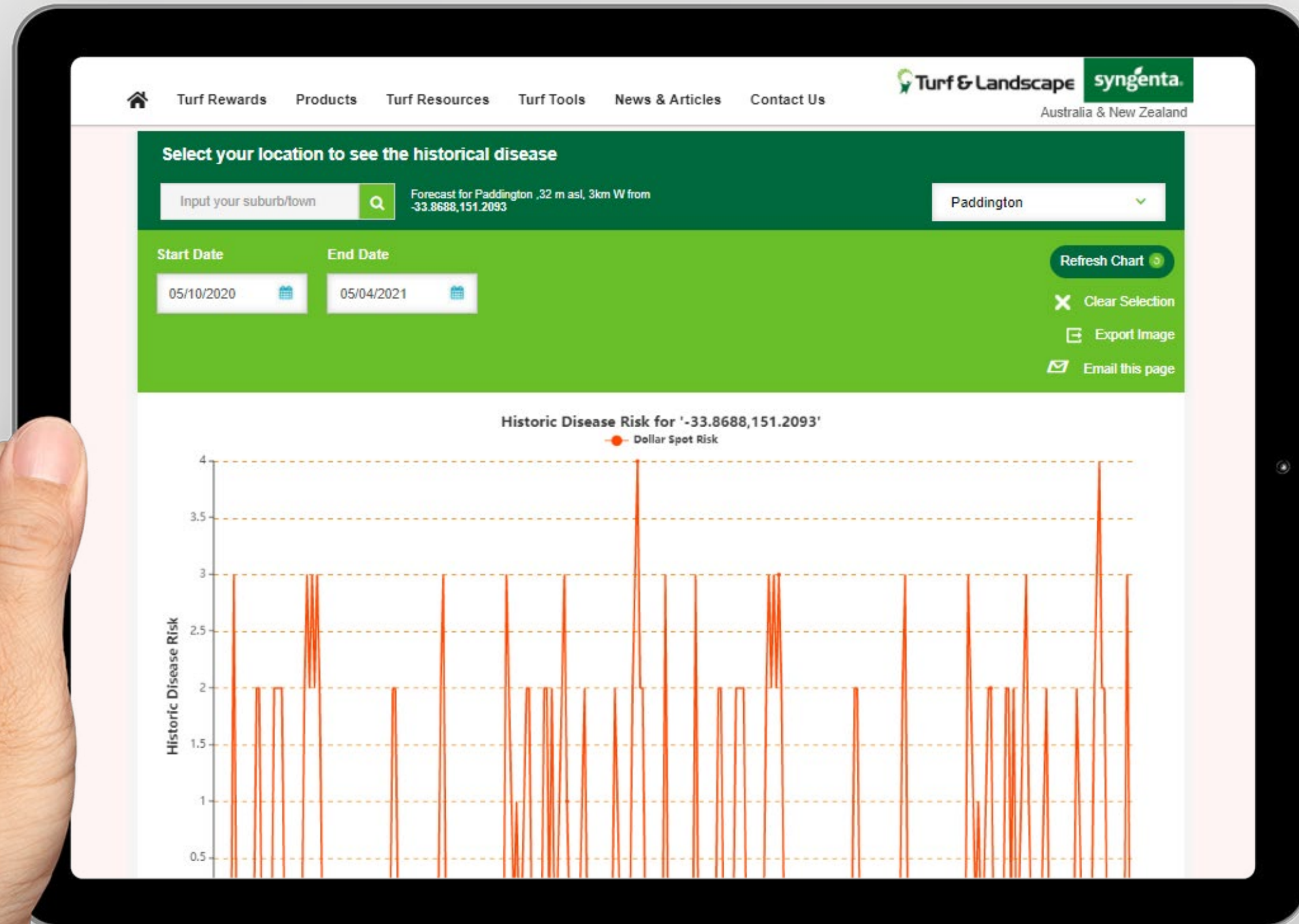
Other Planning Services:

➤ [Historic Disease & Weed Data](#)



Historic Disease & Weed Data

Invaluable data source to visualise past turf disease and weed germination patterns impacting your location.



Available only to registered users.

Important tool to review risk periods of all the key turf diseases that have affected your local area.

Using historic data, in conjunction with your own records, can help to build a picture to create a proactive fungicide programme designed for your golf course location and weather conditions.

Extract data graphs for your specific location, for use in presentations.

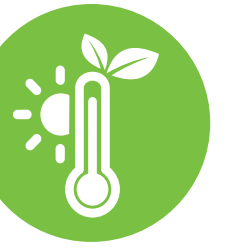
Other Planning Services:

➤ [Live Disease & Weed Forecast](#)



GDD Calculator

Tailored to your location, a weather-based tool to predict re-application timing to optimise PRIMO® MAXX use.



Growing Degree Days for 2021			
Date	Temp: High / Low	Daily GDD	Cumulative GDD
07/04/2021	21.2 °C / 17.7 °C	9.6	301.6
06/04/2021	23.1 °C / 19 °C	10.6	292
05/04/2021	24.3 °C / 15.7 °C	10.3	281.4
04/04/2021	27.4 °C / 13.2 °C	10.4	271.1
03/04/2021	25 °C / 13 °C	9	260.7
02/04/2021	24.6 °C / 13.4 °C	9	251.7
01/04/2021	23.9 °C / 12.8 °C	8.2	242.7
31/03/2021	22 °C / 11.8 °C	7	234.5
30/03/2021	18.7 °C / 14.6 °C	6.9	227.5
29/03/2021	22.6 °C / 16.4 °C	9.2	220.6
28/03/2021	23.2 °C / 17.8 °C	10.1	211.5
27/03/2021	26.5 °C / 15 °C	10.9	201.3
26/03/2021	22.5 °C / 11.9 °C	7.5	190.4
25/03/2021	24.6 °C / 15.6 °C	10.3	182.9

Available to all users.

GDD is an extremely useful guide for optimising PRIMO® MAXX application timing, for the most efficient growth regulation.

Finding the time to record temperature and weather-related information is quite a challenge; **the GDD Calculator does that autonomously and provides easy-to-interpret information.**

Utilises immense data processing capability to compute figures from hourly temperatures throughout the 24-hour period, compared to a simplistic daily high and low temperature conventionally used in GDD calculation.

Other GDD Services:

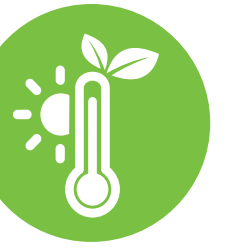
➤ [GDD Threshold Alerts](#)

[Launch](#)



GDD Threshold Alerts

Set notifications for when your location's Growing Degree thresholds are reached across multiple turf site locations.



The image shows a hand holding a tablet displaying the Syngenta Turf & Landscape website's GDD Threshold Alerts setup form. The form is titled "Threshold Details (You can add only 5 thresholds)" and contains the following fields:

- First Name *: Jessica
- Last Name *: Bayfield
- Email *: jessica.bayfield@syngenta.com
- Enter postal code of your facility *: 2065
- Business Type *: Golf Course
- Threshold Name *: Testing 29/09/2020
- Threshold Start Date *: 28/09/2020 (with example "E.g., 07/04/2021")
- Base Temperature *: 10 °C
- Target Threshold Number *: 250

Below the form, there is a radio button option: "Once this threshold number is reached, end the degree day tracking for this threshold."

Available only to registered users.

Automatically generates a predictive email notification when a user-defined GDD target is approaching – **in time for turf managers to assess local conditions and to decide what actions to take.**

The GDD Calculator does all the measurements and calculation autonomously, to provide easy-to-interpret information in time to use for every day decision making.

Alerts provided at 80% and 100% of your nominated threshold points for reapplication.

Other GDD Services:

➤ [GDD Calculator](#)

