



Topoclimate services

In addition to what you can see on this website, a variety of Topoclimate maps and information products and services are available through Venture Southland. The following are examples of some of these. (Prices shown are GST exclusive)

District maps

Price per map: \$50 (paper); \$75 (laminated)

Soil and climate maps at a scale of 1:50,000 (2cm = 1km) of 36 districts of Southland surveyed by Topoclimate South. Soil and climate zones are distinguished in colour against a greyscale topographic background. Each map includes text and diagrams explaining what is shown. Maps can be supplied flat (rolled) or folded, plain or laminated. Maps can be supplied as JPG images if required or, if a client has MapInfo software, as MapInfo Tables.

There are two types of map:

- Topoclimate soil maps show the distribution of significant soil variations identified by the Topoclimate soil survey team.
- Topoclimate climate maps show the long-term annual heat pattern in growing-degree-days above a base temperature of 4°C (GDD4).

Customised maps of a property or selected area

A variety of add-on map products can be tailored to the requirements of individual customers.

Price: depends on work involved but minimum \$200

Farm Soil Map & Report

Soil map of a selected area (e.g. a farm property) based on an existing District Map; soil distributions in colour, with topographic background. Report summarises key properties of Individual soils and addresses the interpretive requirement of the client.

Farm Climate Map & Report

Similar to the farm soil map above, but showing long-term annual heat pattern (Growing-Degree-Days at any chosen base temperature) for the property. The report will interpret the data from the nearest datalogger sites and could cover:

- Measurements of accumulated heat (GDD),
- Calculation of chilling periods,
- Calculation of growing season lengths and patterns,
- Identifying critical points for plant growth and production,
- Calculation of frost risk

Other Special Purposes Maps

Any parameter for which we have data can be mapped. For example:

- Growing-Degree-Days (nominated base temperatures)
- Land use options
- Sustainability
- Soil vulnerability
- Specific analyses and indices

Climate Datalogger Summaries

Price: \$50 per site for standard summary; additional analyses on request.

Data from any one of the approximately 3,000 datalogger sites used in the climate survey can be analysed and presented in tabular or graphic form. Monthly and seasonal summaries of mean, maximum and minimum temperatures and Growing Degree Days are a useful means of comparing the temperature characteristics of a location with those of national climate stations.

Advisory Services

Crops for Southland can arrange for a wide range of environmental and land use consultancy services:

- Soil fertility and fertiliser advice
- Crop suitability for individual situations
- Contacts with local producer groups
- Suitable pasture species
- Afforestation options
- Shelter and landscape management

Survey Services

We can arrange for detailed surveys to be carried out on your property:

- Paddock scale mapping of soil or climate
- Paddock scale climate surveys
- Datalogger installation, data downloads and data processing

For further details, call **Nick Round-Turner** on

03 211 1413 or **021 516 332**

Or visit our office at:

Venture Southland

143 Spey Street

Invercargill