

Department of Natural Resources and Environment Tasmania

Agriculture

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Enterprise Suitability Maps

State-wide enterprise suitability maps are available using the mapping layer on LISTmap.

The maps show how agricultural crops need specific climatic, soil and landscape conditions to achieve optimum productivity.

These generally include areas with:

- low frost risk
 with adequate warmth during
 the growing season
- well-drained soils
- neutral to slightly acidic pH range.



Chart

The crop rules show which areas

have the best or worst conditions for particular crops or enterprises according to a suitability classfication system (refer to inset image for class ratings). The rules also show if there are opportunities to improve conditions.

The crop rules were developed in collaboration with the Tasmanian Institute of Agriculture (TIA) and industry consultation using existing guidelines, literature, and research data, and presume adequate irrigation is available.

There are 3 types of enterprise suitability maps available pertaining to each crop based on:

- Current climate (to 2018)
- Climate Futures for Tasmania projection modelling (to 2030 and 2050).

How to Use Enterprise Suitability Maps in LISTmap

When viewing the maps in LISTmap, information can viewed by clicking on any area of the map (ensure the relevant crop is 'ticked' within the Layers/Add Layer panel – refer to Figure 1 for an example).

A pop-up box identifies information such as the 'Overall Suitability Rating' as well as other useful information including:

- 'Constraints' provides a list of attributes that limits a classification to a particular suitability rating.
- 'Manageable Constraints' provides a lists of soft limitation attributes that should be managed to meet the suitability rating.

Detailed instructions on how to access, view and use the Enterprise Suitability Maps on LISTmap are availble

LIST map instructions (69Kb)

Please note that the information provides a regional guide to help focus further, more detailed on-farm investigations before making investment or operational decisions.

Additional information for assisting in site selection for each crop are found in the fact sheets (refer to Table 1).

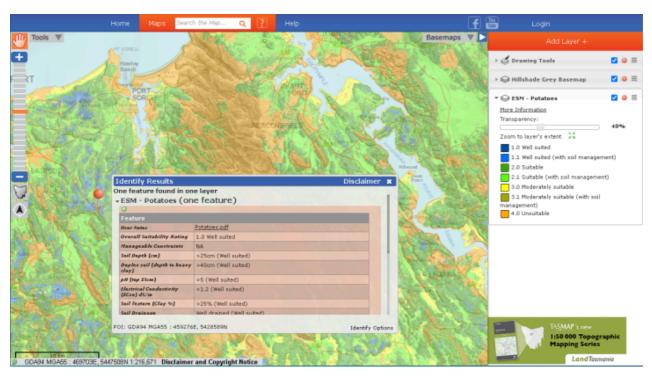


Figure 1. LISTmap example portraying Enterprise Suitability Map for Potatoes - showing overall suitability rating as well as underlying soil and climate information (example produced for a site near Sassafras).

Table 1. List of Enterprise crops with links to corresponding fact sheets, suitability maps and crop rules.

Crop	Link to State- wide Enterprise Suitability Map on LISTmap	Crop Rules (Including map user notes relevant to LISTmap)
Barley	Barley Enterprise	Barley Crop

Barley Growing in Tasmania Fact Sheet	Suitability Maps	Rules
Blueberries (Northern Highbush Varieties) Blueberry Growing in Tasmania Fact Sheet	Blueberry (Northern Highbush Varieties) Enterprise Suitability Maps	Blueberry (Northern Highbush Varieties) Crop Rules
Blueberries (Southern Highbush Varieties Blueberry Growing in Tasmania Fact Sheet	Blueberry (Southern Highbush Varieties) Enterprise Suitability Maps	Blueberry (Southern Highbush Varieties) Crop Rules
Carrots Carrot Growing in Tasmania Fact Sheet	Carrot Enterprise Suitability Maps	Carrot Crop Rules
Carrot Seed Carrot Seed Growing in Tasmania Fact Sheet	Carrot Seed Enterprise Suitability Maps	Carrot Seed Crop Rules
Cherries Cherry Growing in Tasmania Fact Sheet	Cherry Enterprise Suitability Map	Cherry Crop Rules
Cocksfoot Continental Tasmanian graziers guide to pasture, forage and fodder crops booklet	Cocksfoot Continental Enterprise Suitability Maps	Cocksfoot Continental Crop Rules

Cocksfoot Mediterranean	Cocksfoot	Cocksfoot
Tasmanian graziers	Mediterranean	Mediterranean
guide to pasture, forage	Enterprise Suitability	Crop Rules
and fodder crops	Maps	'
booklet		
Farm Tree Species:		
 Eucalyptus globulus 	Farm Tree Species	Farm Tree
 Eucalyptus nitens 	Enterprise Suitability	Species Crop
• Pinus radiata	Maps	Rules
Hazelnuts		
Hazelnut Growing in	Hazelnut Enterprise	Hazelnut Crop
Tasmania Fact Sheet	Suitability Maps	Rules
Industrial Hemp		
Industrial Hemp	Industrial Hemp	Industrial
Growing in Tasmania	Enterprise Suitability	Hemp Crop
Fact Sheet	Мар	Rules
Linseed		
Linseed Growing in	Linseed Enterprise	Linseed Crop
Tasmania Fact Sheet	Suitabiltiy Maps	Rules
Lucerne		
Lucerne Growing in	Lucerne Enterprise	Lucerne Crop
Tasmania Fact Sheet	Suitability Maps	Rules
Tasmanian graziers		
guide to pasture, forage		

and fodder crops booklet		
Olives Olive Growing in Tasmania Fact Sheet	Olive Enterprise Suitability Maps	Olive Crop Rules
Onions Onion Growing in Tasmania Fact Sheet	Onion Enterprise Suitability Maps	Onion Crop Rules
Phalaris Tasmanian Pastures and Field Crops Guide	Phalaris Enterprise Suitability Maps	Phalaris Crop Rules
Poppies Poppy Growing in Tasmania Fact Sheet	Poppy Enterprise Suitability Maps	Poppy Crop Rules
Potatoes Potato Growing in Tasmania Fact Sheet	Potato Enterprise Suitability Maps	Potato Crop Rules
Pyrethrum Pyrethrum Growing in Tasmania Fact Sheet	Pyrethrum Enterprise Suitability Maps	Pyrethrum Crop Rules
Raspberries Raspberry Growing in Tasmania Fact Sheet	Raspberry Enterprise Suitability Maps	Raspberry Crop Rules
Red Clover Tasmanian graziers guide to pasture, forage	Red Clover Enterprise Suitability Maps	Red Clover Rules

and fodder crops booklet		
Ryegrass for Dairy Ryegrass for Dairy Growing in Tasmania Fact Sheet Tasmanian graziers	Ryegrass Enterprise Suitability Maps	Ryegrass Crop Rules
guide to pasture, forage and fodder crops booklet		
Strawberries Strawberry Growing in Tasmania Fact Sheet	Strawberry Enterprise Suitabiltiy Maps	Strawberry Crop Rules
Strawberry Clover Tasmanian graziers guide to pasture, forage and fodder crops booklet	Strawberry Clover Enterprise Suitability Maps	Strawberry Clover Crop Rules
Tall Fescue Continental Tasmanian graziers guide to pasture, forage and fodder crops booklet	Tall Fescue Continental Enterprise Suitability Maps	Tall Fescue Continental Crop Rules
Tall Fescue Mediterranean Tasmanian graziers guide to pasture, forage and fodder crops	Tall Fescue Mediterranean Enterprise Suitability Maps	Tall Fescue Mediterranean Crop Rules

booklet		
Wheat Wheat Growing in Tasmania Fact Sheet	Wheat Enterprise Suitability Maps	Wheat Crop Rules
White Clover Tasmanian graziers guide to pasture, forage and fodder crops booklet	White Clover Enterprise Suitability Maps	White Clover Crop Rules
Wine Grapes (Pinot Noir & Chardonnay)	Sparkling Wine Grape Enterprise Suitability Maps Table Wine Grape Enterprise Suitability Maps	Sparkling Wine Grapes Crop Rules Table Wine Grapes Crop Rules

Contact

Natural Assets Spatial Intelligence Section (NASIS)

171 Westbury Road, PROSPECT, TAS, 7250.

Phone: 03 6777 2220

Email: nasis@nre.tas.gov.au

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