

File name	Description	Type of mapping	ESM Crop
fr_ltm1_1511to1502.tif	Risk (%) of having at least one day of <-2°C for the period: 15 November to 15 February.	Frost	Carrot seed
fr_lt0_0112to3112.tif	Risk (%) of having at least one day of <0°C for the period: 1 to 31 December.	Frost	Barley
fr_extr_0109to3110.tif	Risk (%) of having a high or extreme frost event (refer to ^{*3}) for the period: 1 September to 31 October.	Frost	Blueberries
fr_ltm2_0110to3010.tif	Risk (%) of having no days of <-2 °C for the period: 1 October to 31 October.	Frost	Cherries
fr_lt0_0111to1402.tif	Risk (%) of having no days of <0 °C for the period: 1 November to 14 February.	Frost	Cherries
max_avgdaily_0110to1512.tif	Average daily maximum temperature (°C) for the period: 1 October to 15 November.	Maximum temperature	Cherries
max_mt35_0812to1402.tif	Risk (%) of having no days of >35 °C for the period: 8 December to 14 February.	Maximum temperature	Cherries
gdd_bt10_0110to3004.tif	Number of growing degree days (Base temperature of 10 °C) for the period: 1 October to 30 April.	Growing degree days	Cherries & Wine grapes
ch_2to12_0105to3108.tif	Average number of chill hours between 2-12 °C for the period: 1 May to 31 August.	Chill hours	Cherries
max_avg_jan.tif	Mean maximum monthly temperature (°C) January	Maximum temperature	Cherries
max_avg_feb.tif	Mean maximum monthly temperature (°C) February	Maximum temperature	Cherries
max_avg_mar.tif	Mean maximum monthly temperature (°C) March	Maximum temperature	Cherries
max_avg_apr.tif	Mean maximum monthly temperature (°C) April	Maximum temperature	Cherries
max_avg_may.tif	Mean maximum monthly temperature (°C) May	Maximum temperature	Cherries

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max_avg_jun.tif	Mean maximum monthly temperature (°C) June	Maximum temperature	Cherries
max_avg_jul.tif	Mean maximum monthly temperature (°C) July	Maximum temperature	Cherries
max_avg_aug.tif	Mean maximum monthly temperature (°C) August	Maximum temperature	Cherries
max_avg_sep.tif	Mean maximum monthly temperature (°C) September	Maximum temperature	Cherries
max_avg_oct.tif	Mean maximum monthly temperature (°C) October	Maximum temperature	Cherries
max_avg_nov.tif	Mean maximum monthly temperature (°C) November	Maximum temperature	Cherries
max_avg_dec.tif	Mean maximum monthly temperature (°C) December	Maximum temperature	Cherries
fr_lto_0111to3011.tif	Risk (%) of having at least one day of <0°C for the period: 1 to 30 November.	Frost	Onions
max_mt31_0101to2802.tif	Risk (%) of having >3 days of 31 °C for the period: 1 January to 28 February.	Maximum temperature	Onions
ra_mt5_0101to3101.tif	Risk (%) of having >3 days in any 7 day period with ≥ 5 mm of rain per day during the month of January.	Rainfall	Onions
max_mt30_0112to2802.tif	Risk (%) of having more than 10 days of >30°C for the period: 1 December to 28 February.	Maximum temperature	Raspberry
fr_lt0_1610to3101.tif	Risk (%) of having at least one day of <0°C for the period: 16 October to 31 January.	Frost	Raspberry
fr_ltm2_1509to1510.tif	Risk (%) of having at least one day of <-2°C for the period: 15 September to 15 October.	Frost	Wine grapes
fr_ltm2_1510to1511.tif	Risk (%) of having at least one day of <-2°C for the period: 15 October to 15 November.	Frost	Wine grapes
ch_avg_0107to3107.tif	Mean hourly temperature (°C) for the month of July.	Chill hours	Wine grapes
ra_avg_0101to3112.tif	Annual average rainfall (mm)	Rainfall	Wine grapes

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CF_gt60.tif	Coarse Fragments Stone Classes (> 60mm)* ²	Soil	Onions
CF_gt200.tif	Coarse Fragments and Rock Outcrops (>200mm)* ²	Soil	Carrot seed, Barley, Blueberries, Rye grass, Cherries, Raspberry
Clay_0to15cm.tif	Clay % (0 to 15cm)	Soil	Carrot seed, Barley, Cherries
Depth_to_Sodic_Layer.tif	Minimum Depth where Soil Exchangeable Sodium % is > 6	Soil	Barley, Blueberries, Cherries, Wine grapes
Drainage.tif	Soil Drainage Class* ¹	Soil	Carrot seed, Barley, Blueberries, Rye grass, Cherries, Onions, Raspberry, Wine grapes
EC_0to15cm.tif	EC 1:5 (dS/m) (0 to 15cm)	Soil	Barley, Cherries, Wine grapes
ECse.tif	EC Saturated Paste (dS/m) (0 to 15cm) (by Pedotransfer Function)	Soil	Rye grass, Onions, Raspberry, Potatoes
Exchangeable_Calcium.tif	Exchangeable Calcium (mEq/100g) (0 to 15cm)	Soil	Onions
Exchangeable_Magnesium.tif	Exchangeable Magnesium (mEq/100g) (0 to 15cm)	Soil	Onions
pH.tif	pH 1:5 in Water (0 to 15cm)	Soil	Carrot seed, Barley, Blueberries, Rye grass, Cherries, Onions, Raspberry, Wine grapes
SoilDepth.tif	Depth of Soil (m) (Depth to C, R or impeding layer)*	Soil	Carrot seed, Barley, Blueberries, Cherries, Onions, Raspberry, Wine grapes

*Definitions from National Committee on Soil and Terrain 2009. *Australian Soil and Land Survey Field Handbook - Third Edition. Australian Soil and Land Survey Handbooks Series 1*, CSIRO PUBLISHING, Melbourne, Australia.

***³Matrix delineating high to extreme frost events for Blueberries.**

Temperature	No of frost events (September and October)				
	0	1	2	3	4+
T>0	Zero	Zero	Zero	Zero	Zero
-2 to 0	Zero	Low	Low	Low	Low
-3 to -2	Zero	Medium	Medium	High	High
T<-3	Zero	High	High	Extreme	Extreme

***²Coarse Fragment Classes**

- 0** 0%
- 1** <2%
- 2** 2 – 10%
- 3** 10 – 20%
- 4** 20 – 50%
- 5** 50 – 90%
- 6** > 90%

***¹Soil Drainage Classes**

- 1** Very Poorly Drained
- 2** Poorly Drained
- 3** Imperfectly Drained
- 4** Moderately Well Drained
- 5** Well Drained
- 6** Rapidly Drained