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BY PESSL INSTRUMENTS



Forecast & Work Planning Tools: *Sowing Window*

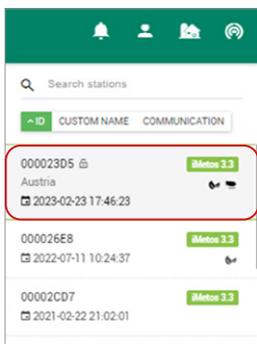
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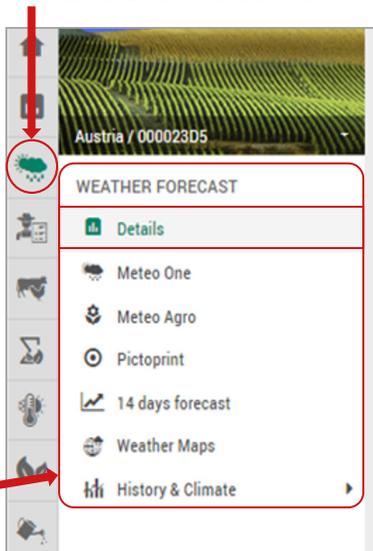
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1 Choose a station with a Forecast license activated.

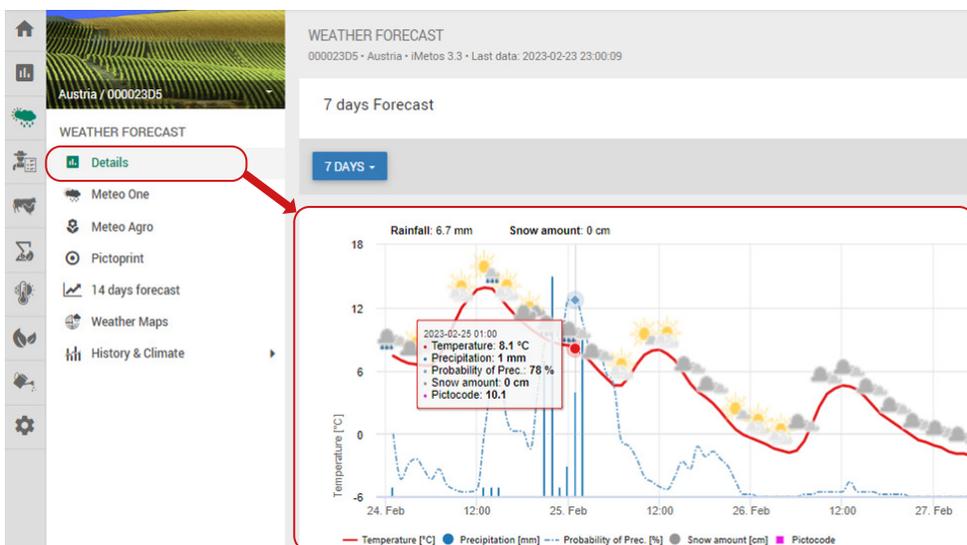


2 Click on the Forecast icon on the left side of FieldClimate.



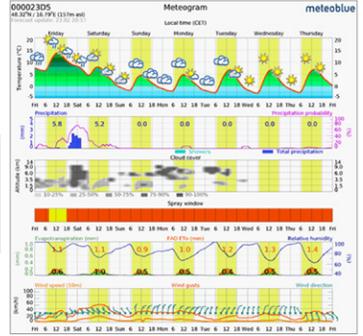
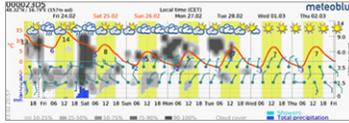
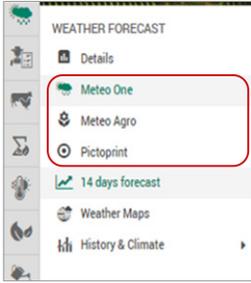
3 Choose the type of Forecast to be displayed.

4 Detailed 3 or 7 day forecast, update hourly: temperature, precipitation amounts, probability and type, wind speed/gust and direction, leaf wetness, relative humidity, global radiation, sunshine, cloud cover.



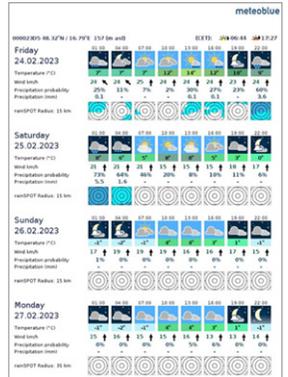
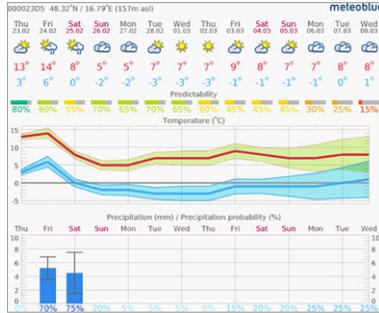
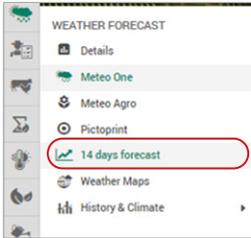
5

Graphical 3 or 6 hour forecasts



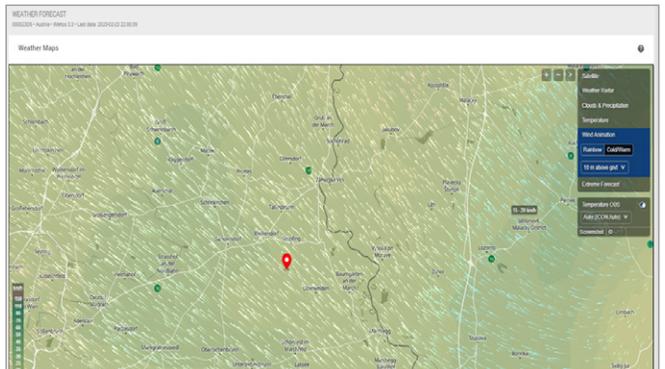
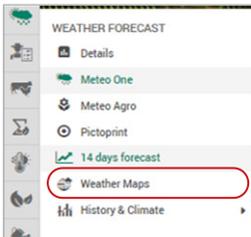
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14 Day forecast: temperature ranges and precipitation amounts.



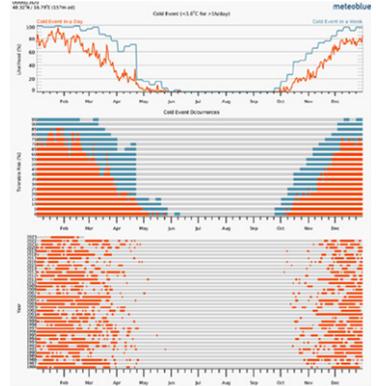
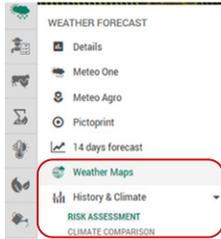
7

Weather Maps: Satellite, Weather Radar, Clouds & Precipitation, Temperature, Wind Animation, Extreme Forecast



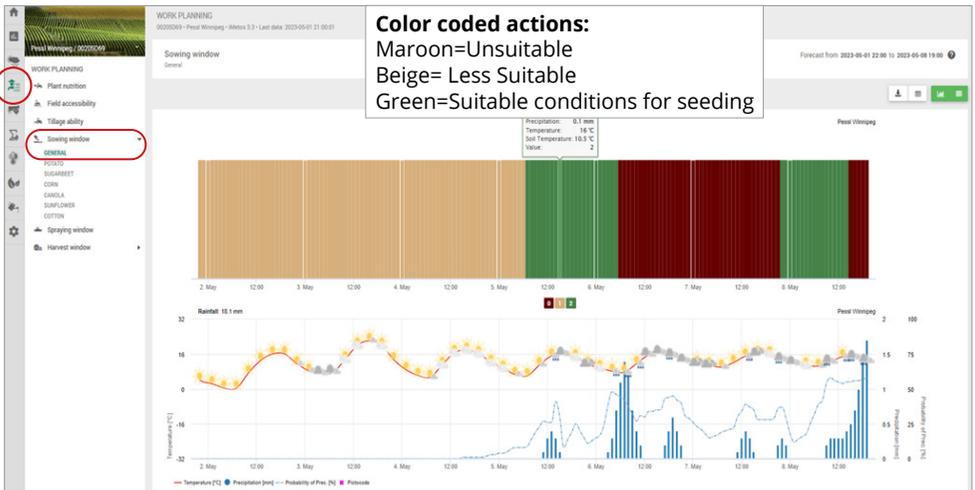
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History of weather extremes on field station and long term climate comparison from nearest govt. station.



9

Included with each Weather Forecast is a set of Work Planning Tools: Plant Nutrition, Field Accessibility, Tillage Ability, **Sowing*** Spraying & Harvest Window.



10

Use the ? on the far right to provide a description of the Sowing Windows operation.

Sowing window

Suitable (green), less suitable (yellow) and unsuitable (red) periods to seed corn, potatoes, sugarbeet, canola, sunflower and more general crops. For uniform, rapid germination and emergence, all seeds need correct moisture and optimal temperature ranges. Conditions are calculated from soil temperature, rainfall of the previous days and minimum air temperature of the next days. Corn germination requires minimum temperature of 10°C in the seed zone. Soil temperatures of 6°C or higher with warmer weather in the forecast should facilitate reasonably good rates of emergence of canola, sunflower and sugarbeet.

*For Sowing window to work you need a weather station with precipitation & soil temperature sensors (mandatory). Temperature and wind sensors are also suggested.