

point™ meteogram AGRO

0 Overview

meteoblue AGRO meteograms are supplied alone or as part of the point meteogram. They contain a Spray Window and a moisture level chart (see Figure 1). These parameters are especially useful for agriculture.

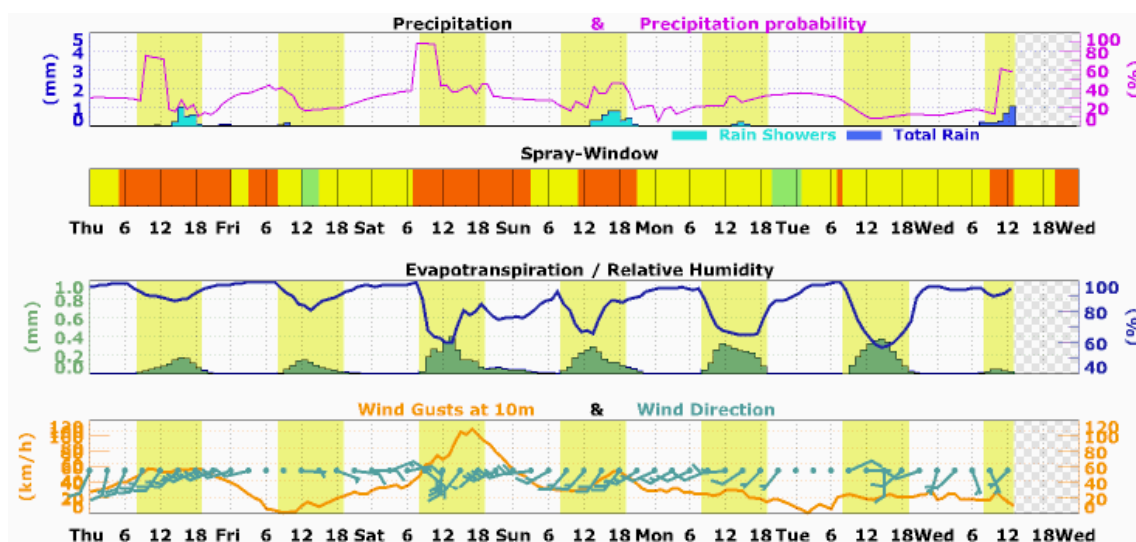


Figure 1. Sample of an Agro 6 days forecast. Spraying window Risk categories: low risk (green), medium risk (yellow) and high risk - not recommended (red). The threshold values are defined by temperature, wind, humidity, precipitation in the adjacent hour(s).

1 Spray Window

Use: The Spray Window gives an indication of suitable conditions to make crop protection applications, based on expected weather conditions at the selected location. The recommendation should be verified based on the actual local weather conditions at the time of treatment.

Criteria: For the Spray Window, constant criteria are used, which show the best spraying conditions for crop protection treatments. A warning is indicated when the values for a parameter is beyond the threshold values (see Table 1).

Parameters: The parameters considered are temperature, humidity, precipitation and wind speed.

2 Moisture chart

The moisture chart shows the evapotranspiration balance and relative humidity of the air for the region. Positive evapotranspiration corresponds to a net water loss from the soil into the atmosphere. If evapotranspiration is nil, no water is lost from the soil through evaporation. Water reserve increase if precipitation is larger than the evapotranspiration (see also meteogram explanations).

Table 1. Spray window warnings – parameters and threshold values.

	Unit	Low Risk	Medium Risk	High Risk
Minimum Temperature	(°C)	> 5°C	< 5°C	< 0°C
Maximum Temperature	(°C)	<30°C	>30°C	>35°C
Relative humidity (min)	(%)	>60%	>30%<60%	<30%
Relative humidity (max)	(%)	<95%	>95%<99%	>99%
Precipitation amount (rain)	mm	<0.1 mm/h	0.1-0.3 mm/h	>0.3 mm/h
Wind speed	km/h	<5 km/h	5-15 km/h	>15 km/h