



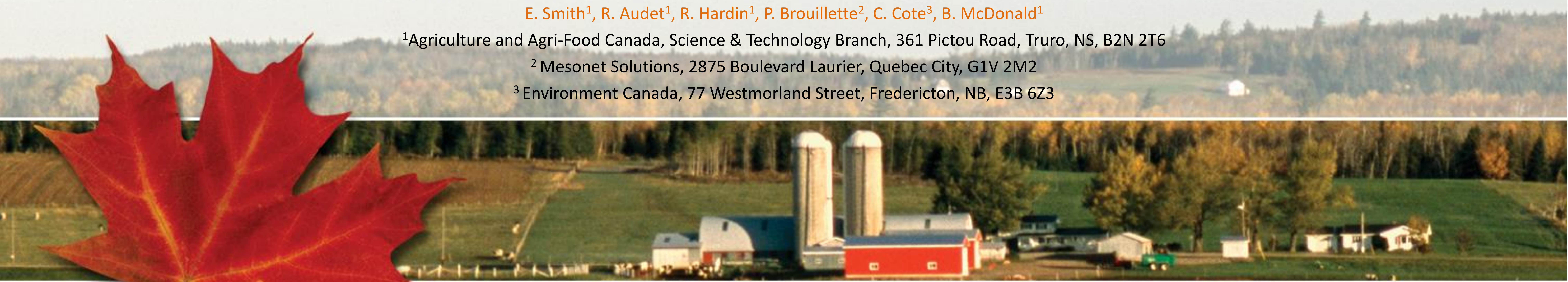
# A New Agricultural Weather Website for Atlantic Canada

E. Smith<sup>1</sup>, R. Audet<sup>1</sup>, R. Hardin<sup>1</sup>, P. Brouillette<sup>2</sup>, C. Cote<sup>3</sup>, B. McDonald<sup>1</sup>

<sup>1</sup>Agriculture and Agri-Food Canada, Science & Technology Branch, 361 Pictou Road, Truro, NS, B2N 2T6

<sup>2</sup> Mesonet Solutions, 2875 Boulevard Laurier, Quebec City, G1V 2M2

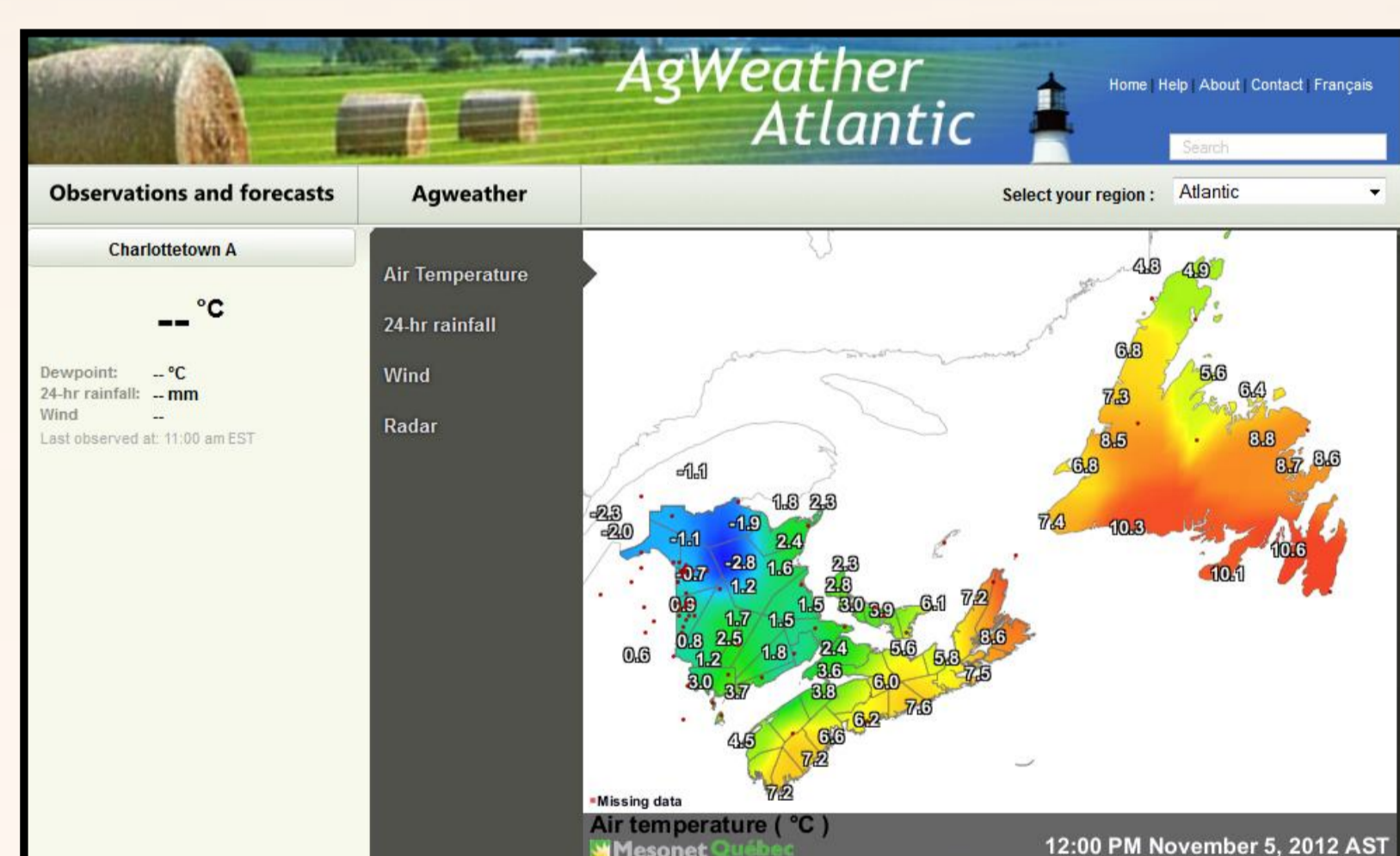
<sup>3</sup> Environment Canada, 77 Westmorland Street, Fredericton, NB, E3B 6Z3



## ARE YOU LOOKING FOR FAST, ACCURATE, HIGH QUALITY WEATHER AND CLIMATE DATA TO HELP WITH YOUR MODERN FARMING PRACTICES?

Producers here in the Atlantic region have voiced concerns about climate change and the need for having access to accurate weather and climate information for their local area.

AgWeather Atlantic was launched in 2012 to help producers with on-farm business risk management.

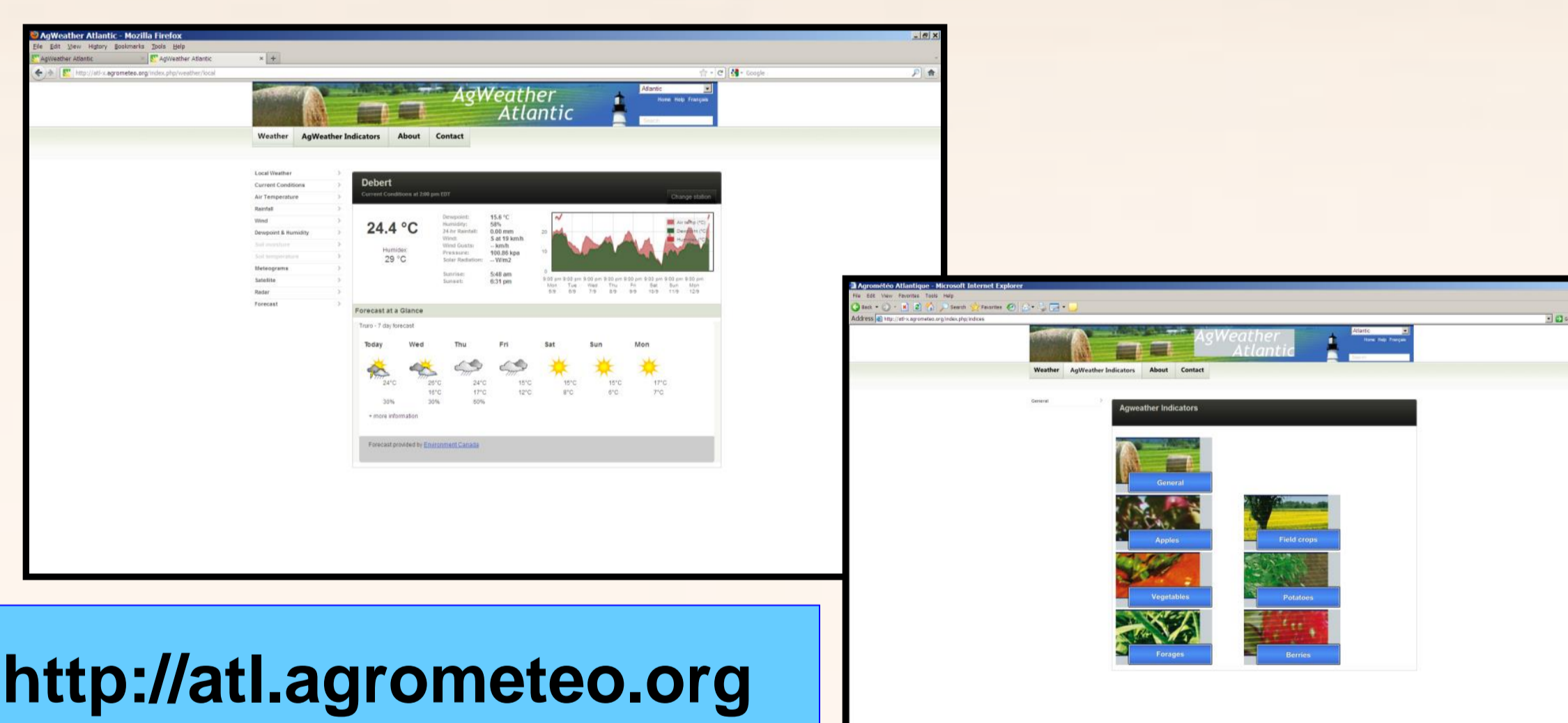


<http://atl.agrometeo.org>

The purpose of the website was to improve access to regionally relevant agricultural weather and climate information for the Atlantic region. Currently, AgWeather Atlantic is tapping into over 150 weather stations in the Atlantic region. The data being retrieved from these stations is hourly real time data that is being quality controlled.

## HOW IS AGWEATHER ATLANTIC DIFFERENT FROM EXISTING WEATHER/CLIMATE WEBSITES?

AgWeather Atlantic is a website that provides producers and producer groups with your typical weather parameters and forecasts that other sites may already provide; however AgWeather Atlantic has a specific “agricultural focus” and it has the potential to benefit virtually any commodity group.



<http://atl.agrometeo.org>

## POTENTIAL APPLICATIONS FOR AGWEATHER ATLANTIC

AgWeather Atlantic will aid producers with the management of:

- Pests
- Water
- Nutrients
- Weather Related Risks

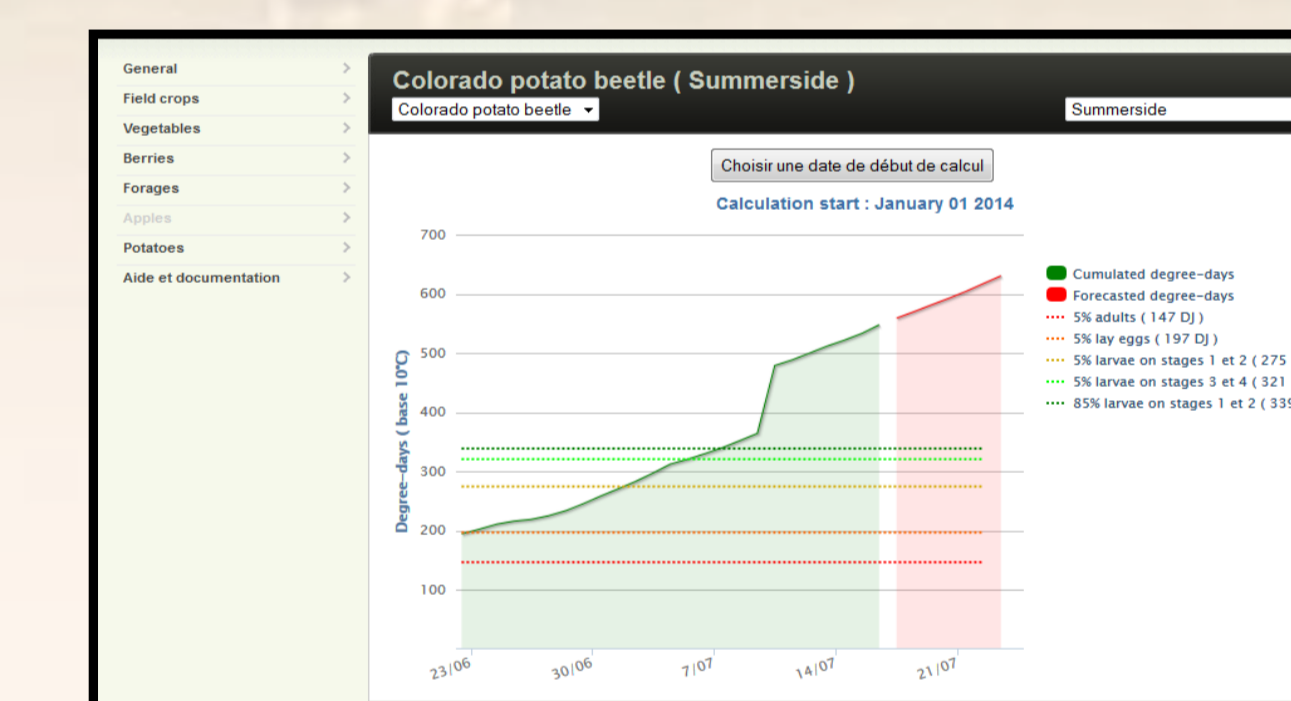


It will also provide producers with a more comprehensive interpretation of results and decision support tools that will result in improved on-farm planning.

## THE FUTURE OF AGWEATHER ATLANTIC

Over the next couple of years, more decision support tools and applications will be added to the website. These applications will include:

- an App for your smart phone,
- bioclimatic models to help deal with pest management issues (i.e. colorado potato beetle, corn borer, apple sawfly, etc.)



- an irrigation calculator to help with irrigation scheduling and water management,
- a fertilizer optimization tool to aid with fertilizer application rates and timing,
- soil conservation tool for extreme weather events,
- other applications will also include a more comprehensive interpretation of field results such as; moisture and thermal indicators, meteograms, etc.

