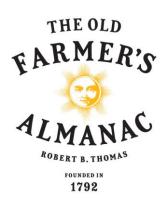
"Secrets of Old Farmer's Almanac Prairie Forecasts, What's Predicted for Weather in 2020, and Other Stuff I Probably Shouldn't Be Telling You"

Jack Burnett, Managing Editor, The Old Farmer's Almanac





POGA 22nd AGM and Conference

December 5, 2019 • Winnipeg

This Morning's Forecast

- A Very Brief History of *The Old Farmer's Almanac*
- How the Almanac Makes Its Forecasts
- Weather 101: How Air Masses Work
- Weather 201: Uh, Things Are Starting to Get a Little Complicated!
- Solar Cycles and Sunspots
- OFA Winter 2019–2020 Forecast
- OFA Summer 2020 Forecast
- Almanac Tales & Trivia: Abraham Lincoln and the Murderer, the German Spy Who Loved Us, and the "Old Farmer" and the Volcano

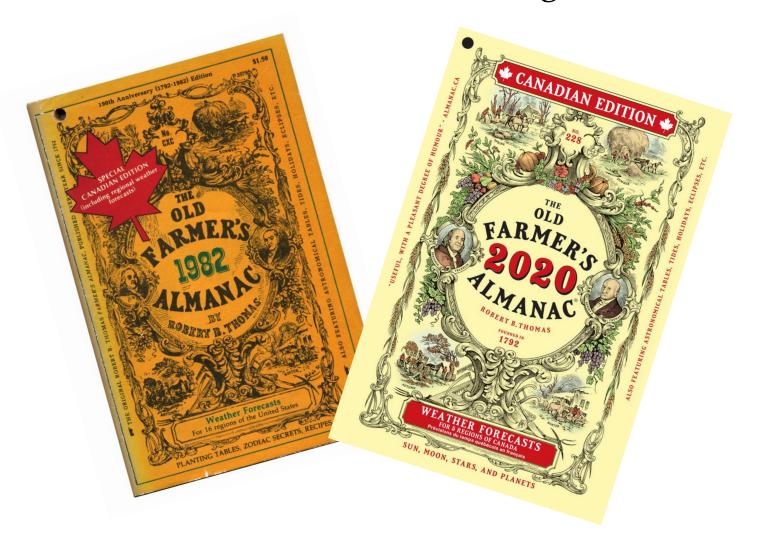


A Very Brief History of The Old Farmer's Almanac



- Thomas (1766–1846)
- Why an almanac?
- Founder Robert B. Special Canadian **Edition (1982)**
 - Almanac.ca

The OFA's Canadian Edition began in 1982.



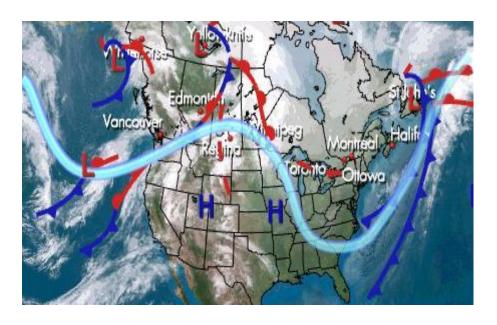
How the Almanac Makes Its Forecasts

- Meteorology
- Climatology
- Solar Cycles (Sunspots)
 - * * * * *
- "Analogs"
- Climate Change



Weather 101: How Air Masses Work

- What Is Air?
- Highs and Lows
- Where Winds Blow
- Borderline Behavior

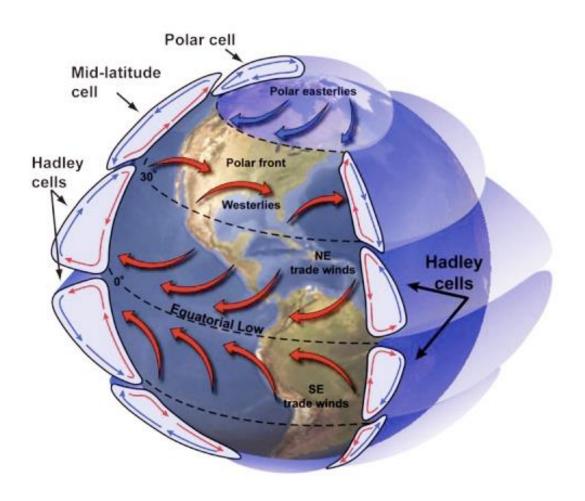


Weather 201: Uh, Things Are Starting to Get a Little Complicated!

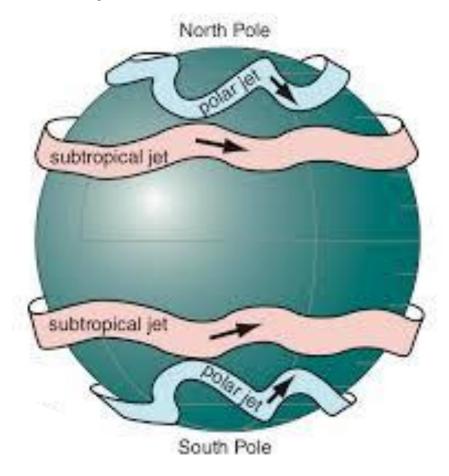
- World Wind Belts
- Jet Streams
- Teleconnections and Oscillations
 - ENSO
 - Arctic Oscillation
- Solar Cycles (Sunspots)



World Wind Belts



Jet Streams

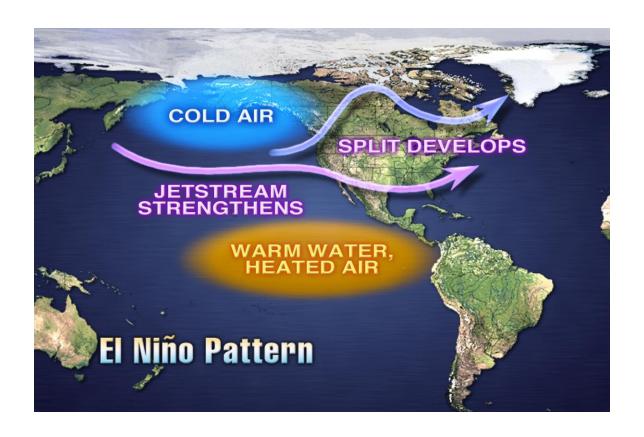


Teleconnections and Oscillations

- ENSO: El Niño-Southern Oscillation
- Arctic Oscillation (AO)/North Atlantic Oscillation (NAO)



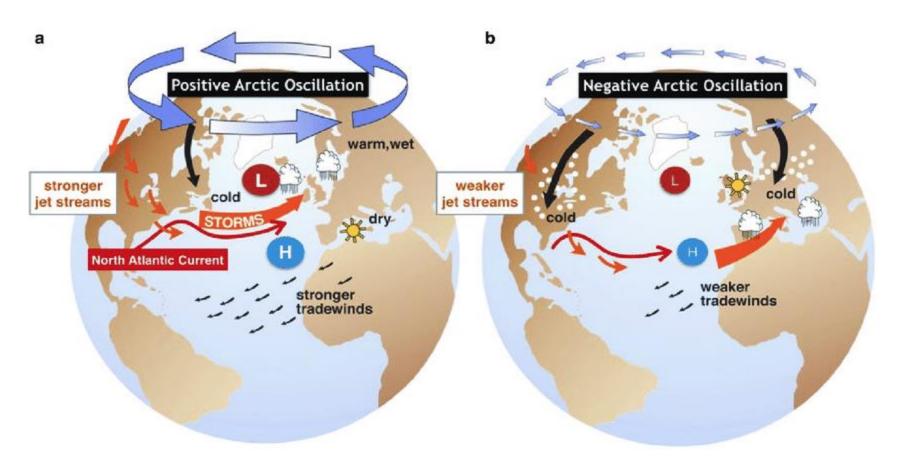
El Niño



La Niña

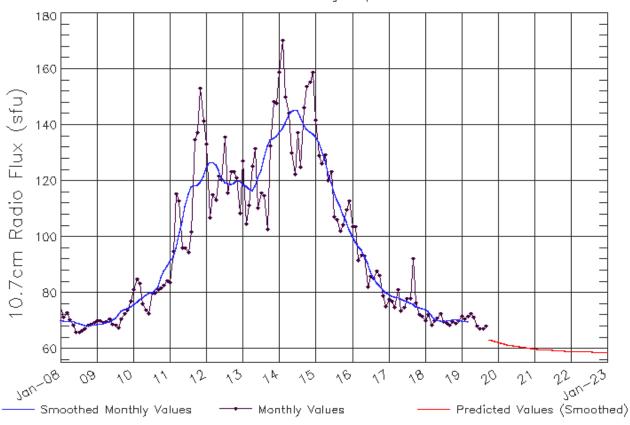


Arctic Oscillation (AO)



Solar Cycles (Sunspots)

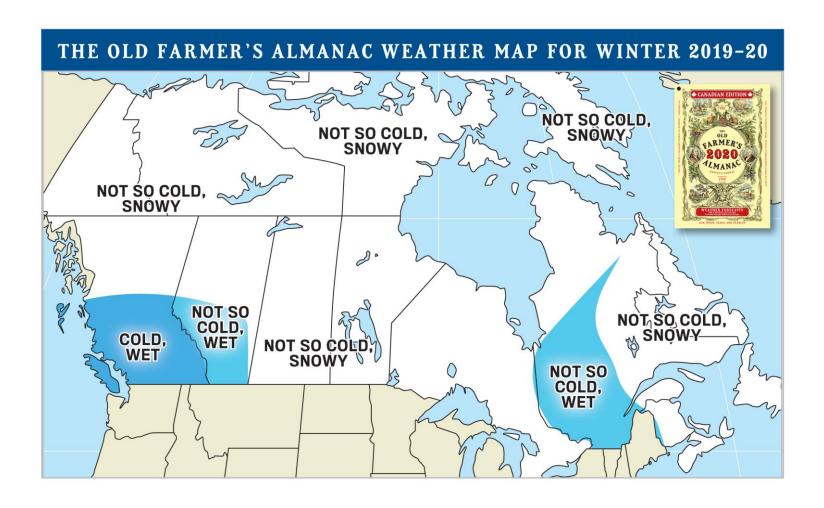
ISES Solar Cycle F10.7cm Radio Flux Progression
Observed data through Sep 2019



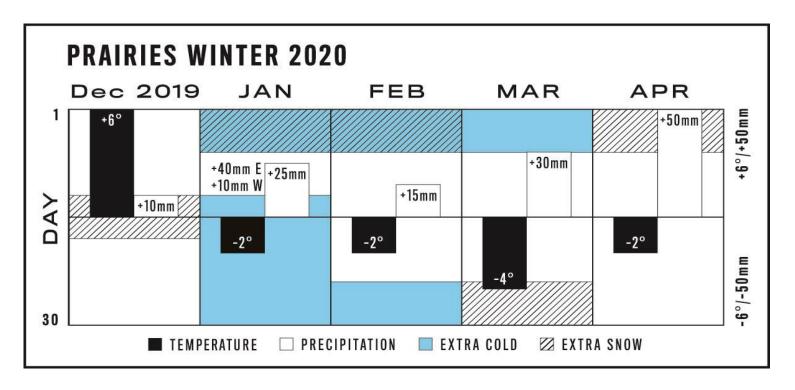
Updated 2019 Oct 7

NOAA/SWPC Boulder,CO USA

OFA 2019–2020 Winter Forecast



Winter 2019–2020 Month by Month



• Winter:

• *Spring:* cooler, rainier

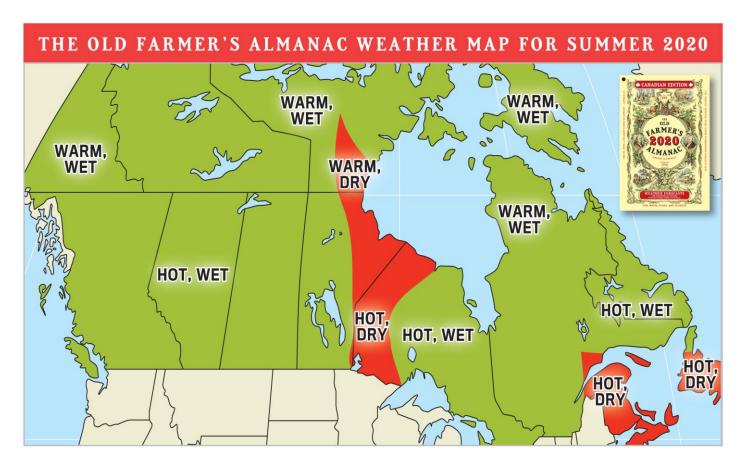
Temps \ge normal, slightly

Precip > normal

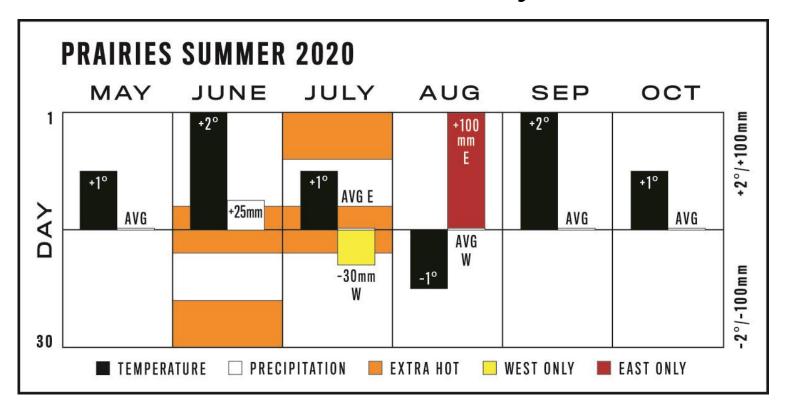
Snow < normal W

> normal elsewhere

OFA 2020 Summer Forecast



Summer 2020 Month by Month

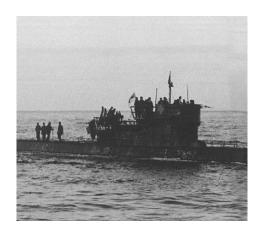


- *Summer:* hotter, rainier
- Fall: warmer, near-normal precip

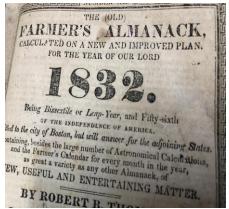
Almanac Tales & Trivia

- Abraham Lincoln and the Murderer
- The German Spy Who Loved Us
- The "Old Farmer" and the Volcano









Best Wishes to Canada's Prairie Oat Growers from Everyone at The Old Farmer's Almanac!

• For more of *everything*, including Food, Gardening, Astronomy, Home Remedies, Humor, and much more: **Almanac.ca**

 To email me about anything: JackB@YankeePub.com
 and . . .

Have a Wonderful Holiday Season!