



2011 Wx Trouble Spots

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12/09/2010

Today's Rundown

- **A Quick Look Back At 2010**
- **La Nina Update (the big driver)**
- **U.S. Winter & Spring Outlook**
- **South America Impact & Forecast**
- **Other International Highlights**

July & August Temps

PIA High— 84.6 +2.2 over avg

SPI High— 85.5 +3.2 over avg

PIA Low— 63.4 +4.6 over avg

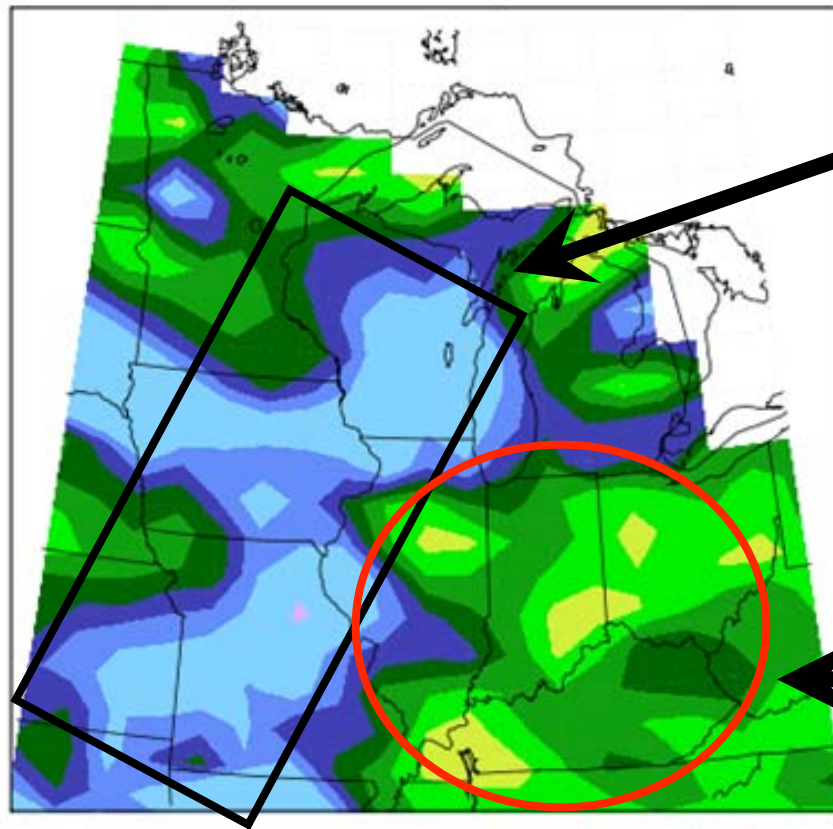
SPI Low— 65.0 +3.5 over avg

Extra heat pushed crops too fast—hindered grain fill.



Too Much—Or Too Little—Rain

Total Precipitation: Percent of Mean
July 1, 2010 to July 31, 2010



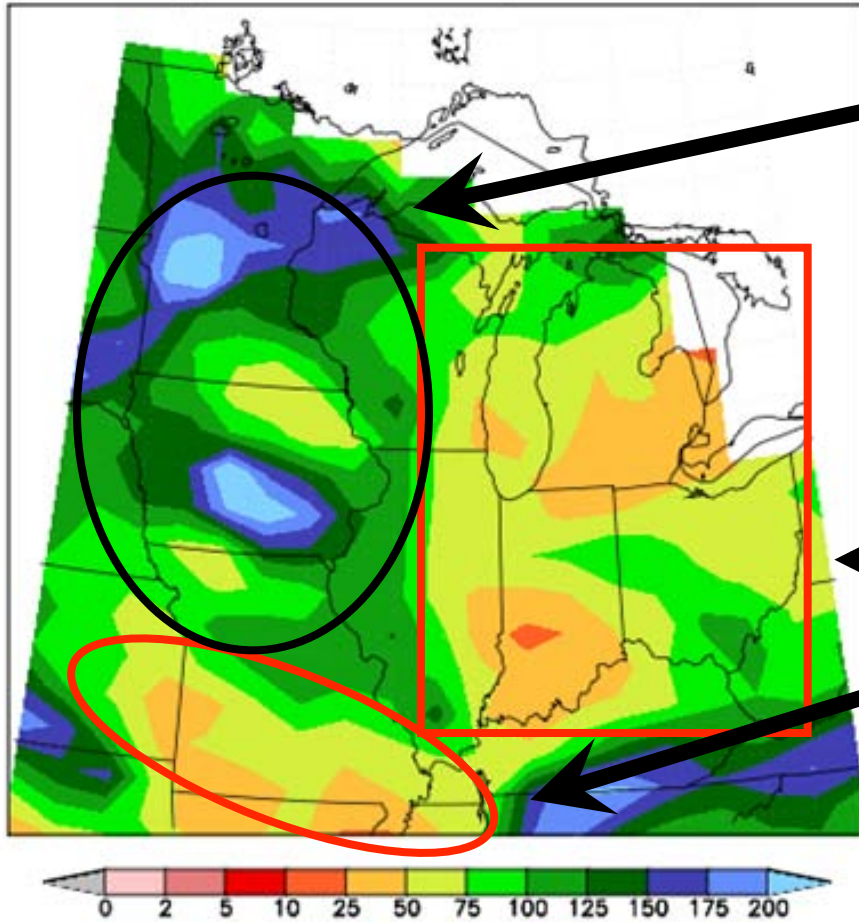
**Wet in North & West
Corn Belt**

**Turning Drier in East
Corn Belt**

JULY 2010

Too Much—Or Too Little—Rain

Total Precipitation: Percent of Mean
August 1, 2010 to August 31, 2010



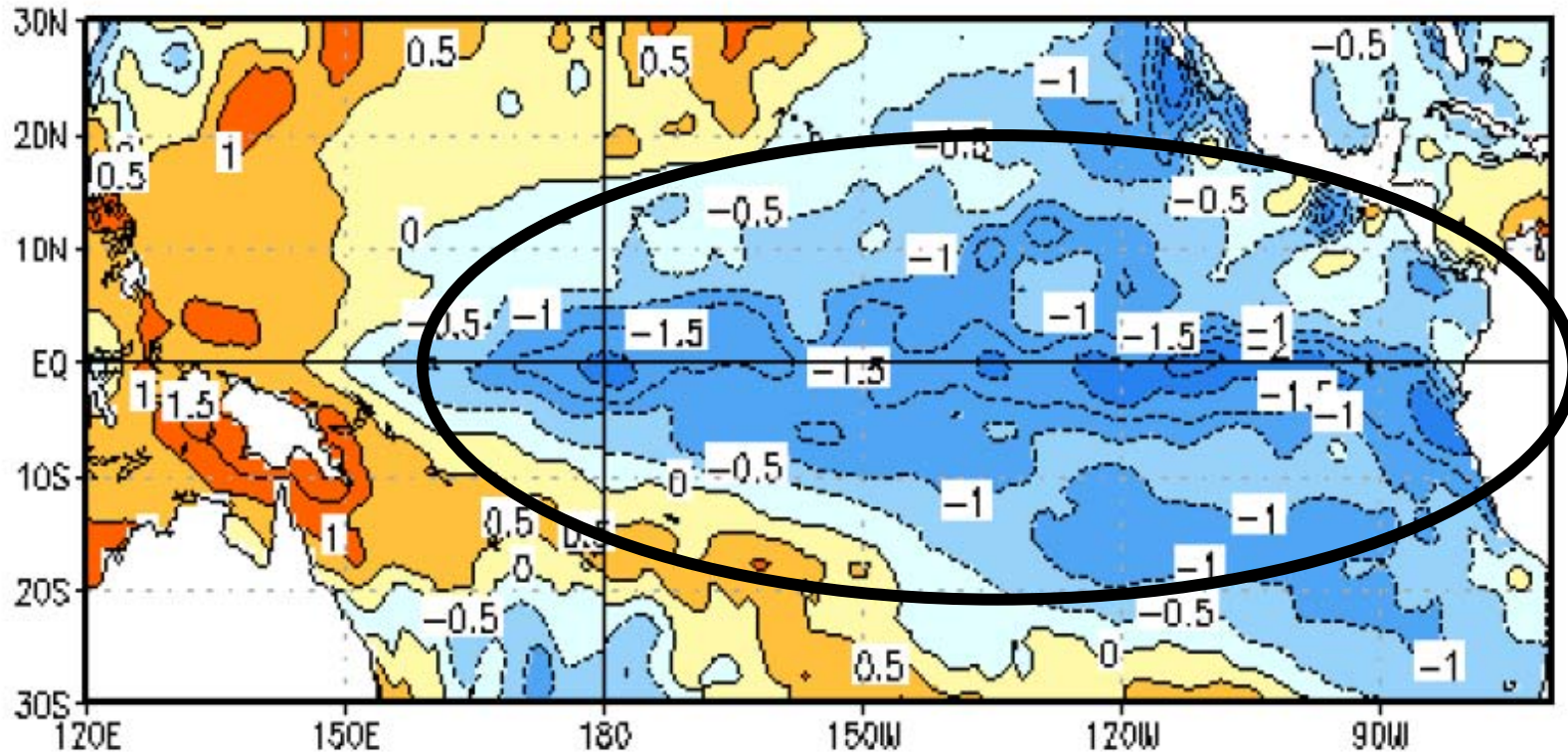
West Corn Belt was focus of rain.

East & South Corn Belt dried out.

AUGUST 2010

La Nina—Widespread In Pacific

Average SST Anomalies
7 NOV 2010 – 4 DEC 2010



-1 to -2.5 Celsius in equatorial Pacific.

Eastern Pacific Temperatures



Oct -1.5 C

Nov -1.3 C

***Current La
Nina began in
June 2010.***

SOI—The Other Half Of La Nina

Southern Oscillation Index



TAHITI > darwin = EAST to west winds = LA NINA (+)

DARWIN > tahiti = WEST to east winds = EL NINO (-)

Recent SOI Values

Average Last 30 Days +19.50

Average Last 90 Days +20.10

Daily Value +30.70

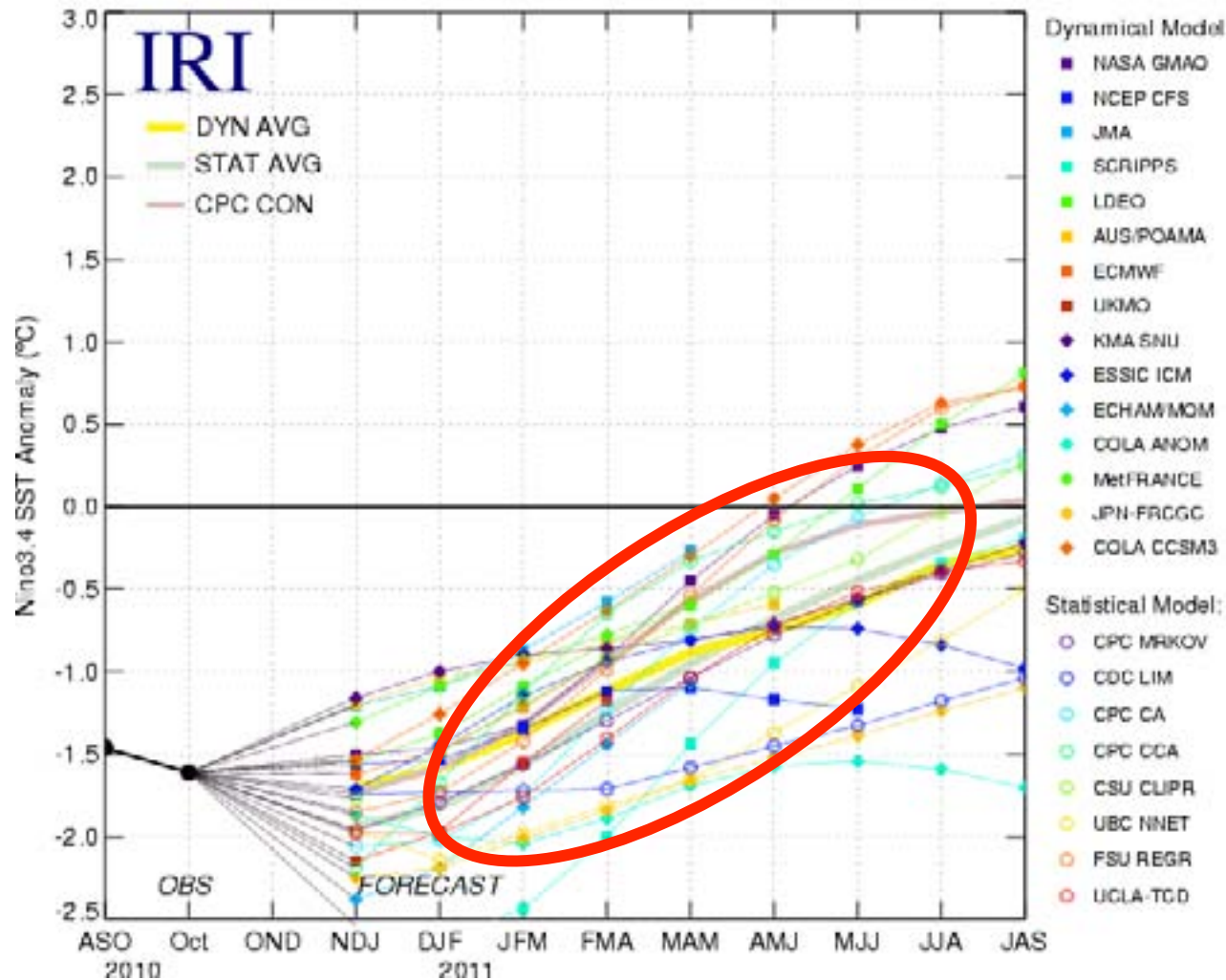
(As of Wednesday December 8)

Monthly Average SOI Value:

Sep +25.80 Oct +19.70 Nov +16.30

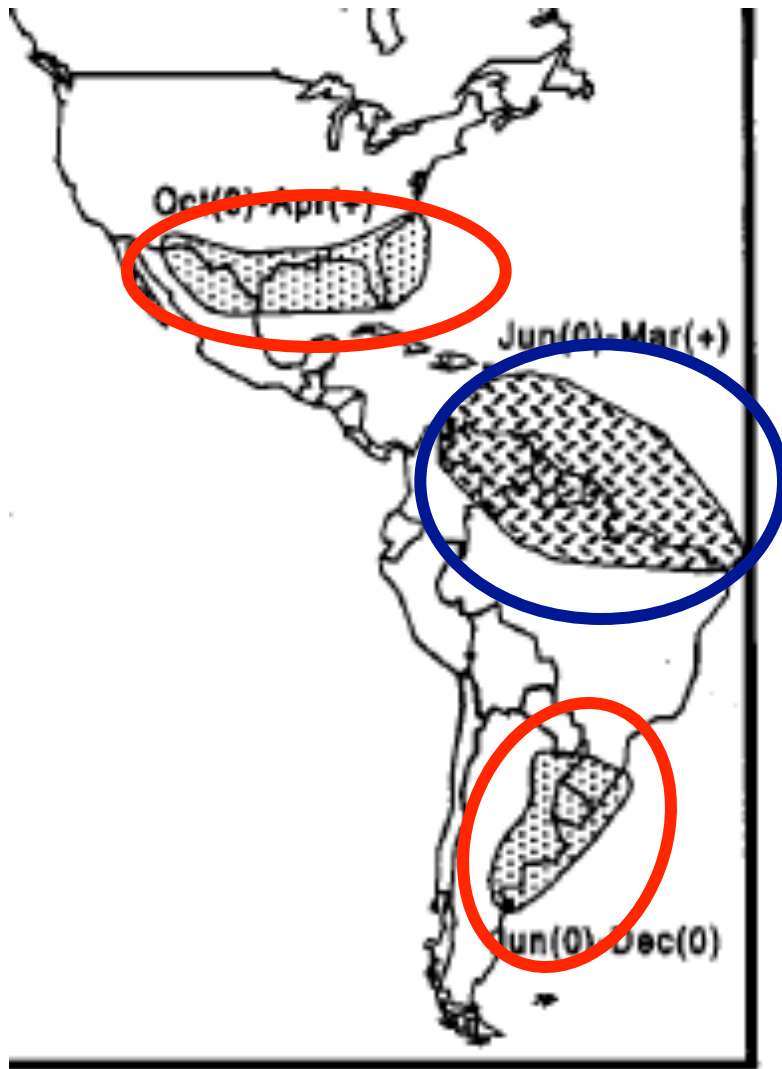
IRI La Nina Forecast

Model Predictions of ENSO from Nov 2010



Event hangs around through spring 2011. Slow move toward neutral.

La Nina Rain Impact

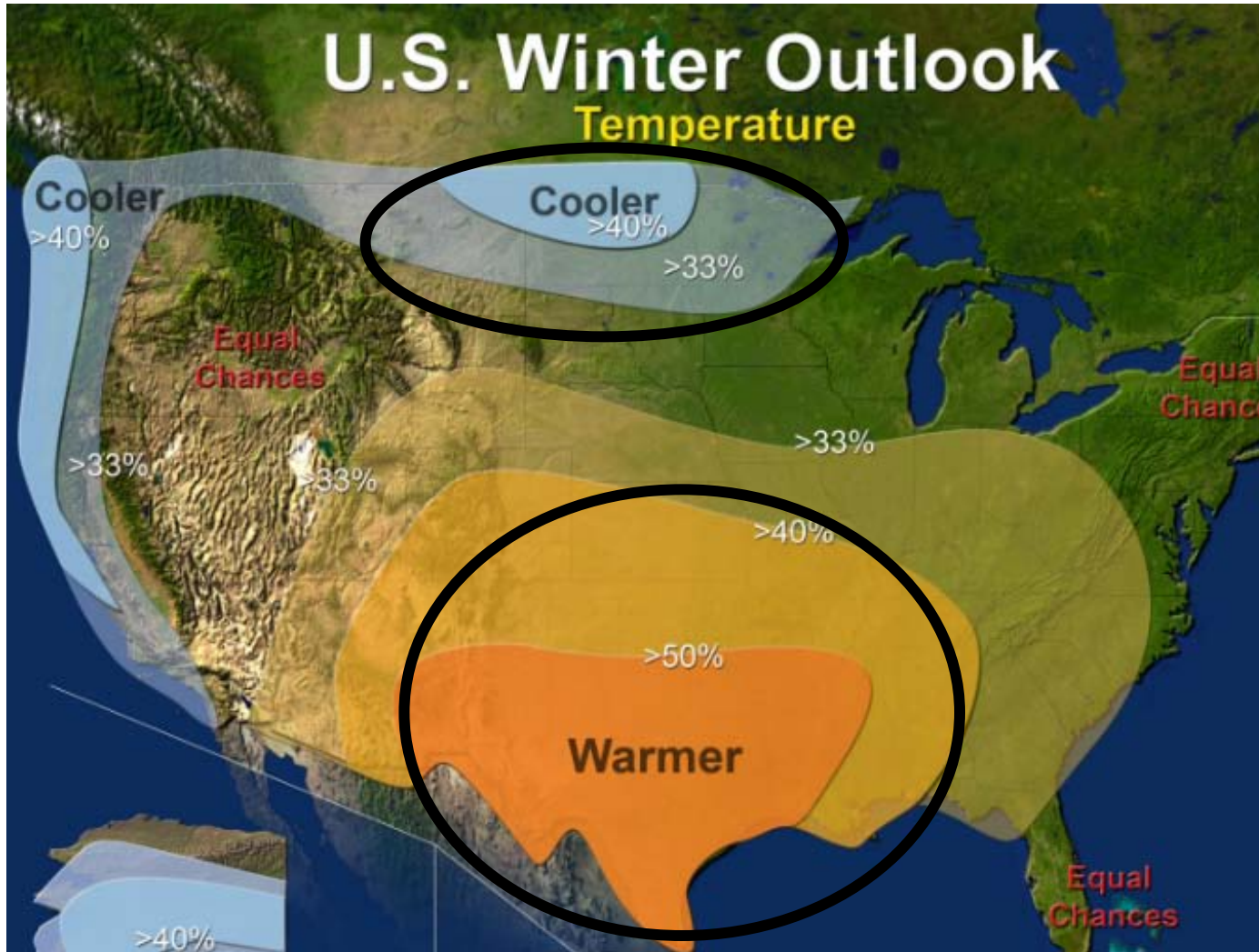


Dry in southern U.S.

***Wetter northern Brazil
(incl Mato Grosso)***

***Dry southern Brazil &
Argentina***

U.S. Winter—Temperatures



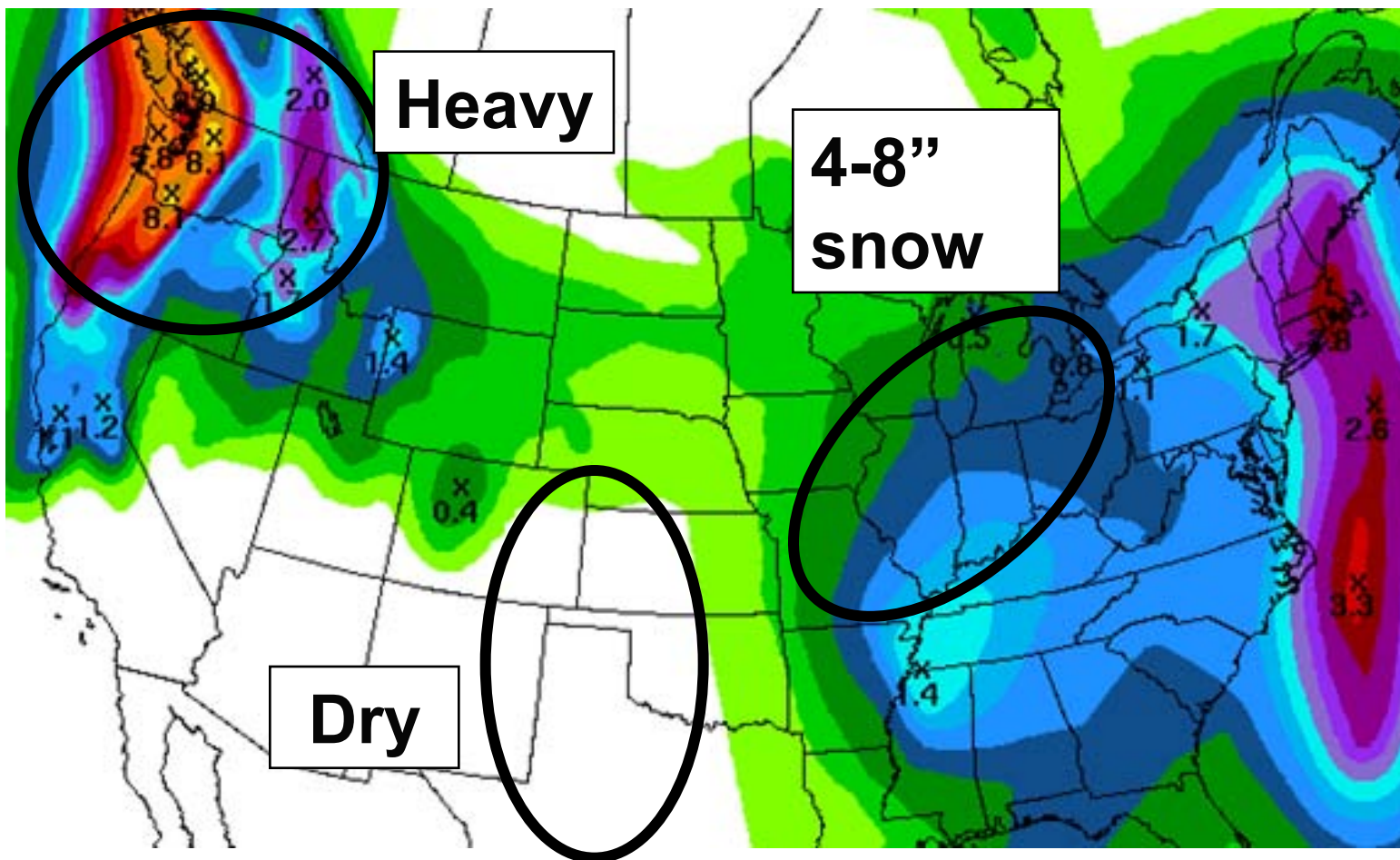
Cold north, warm south. Mostly normal central. (NOAA)

U.S. Winter Precipitation



Above normal in N'west and Ohio Valley. Dry south. (NOAA)

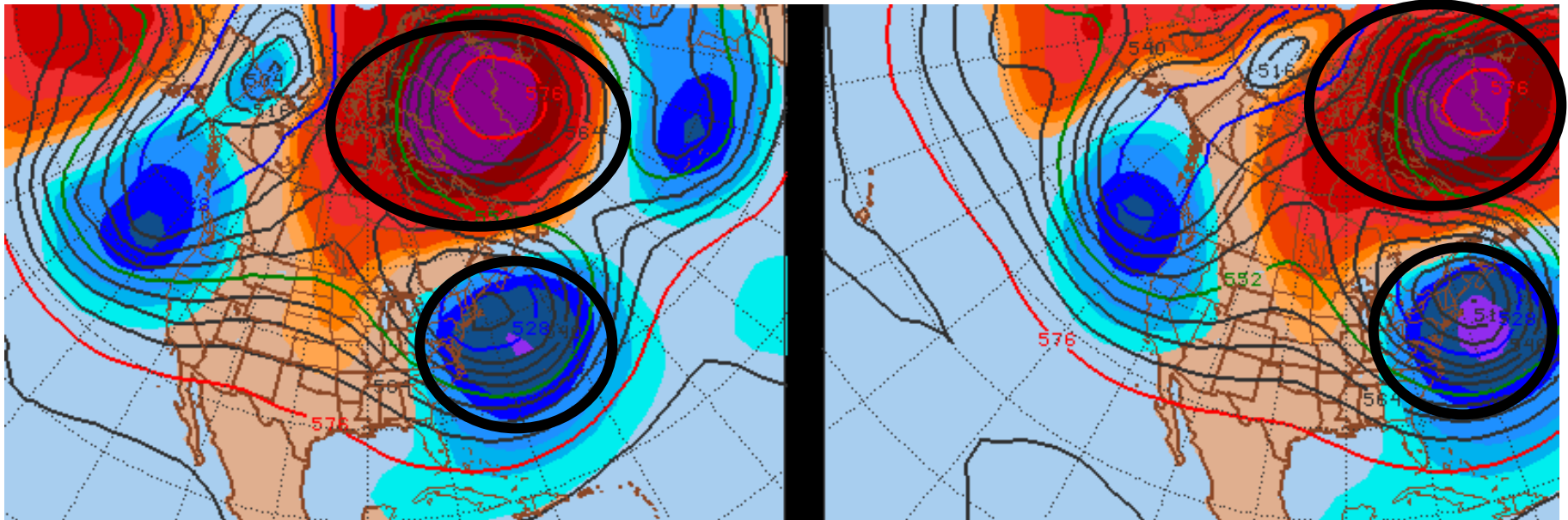
Weekend Setup



Next Week's Setup

EURO

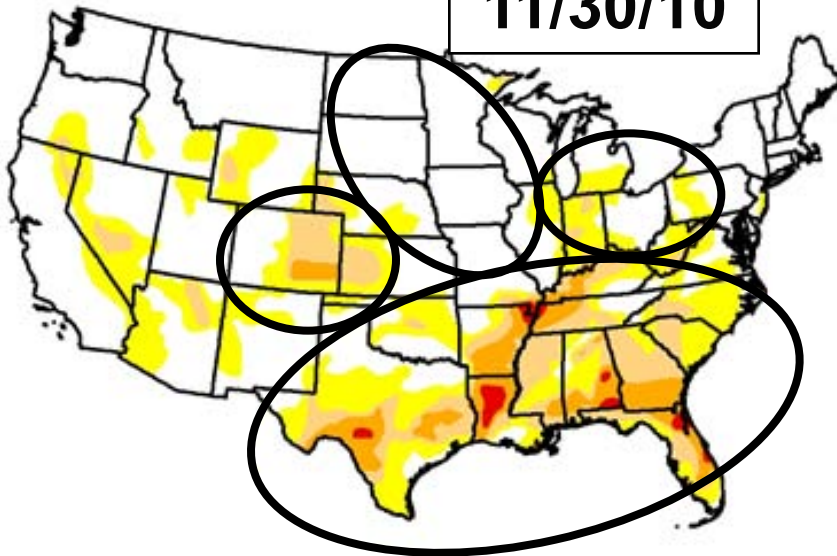
U.S.



Interstate 35 is the dividing line between above normal and below to much below normal temps. Central & eastern Corn Belt looks very wintry.

Drought Monitor

11/30/10



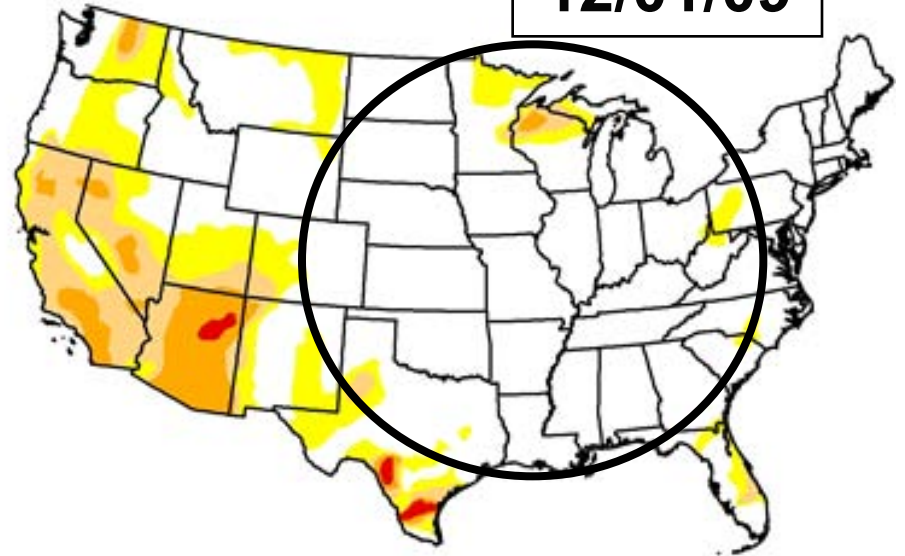
Midwest—26%

S' east—87%

South—74%

Hi Plains—34%

12/01/09



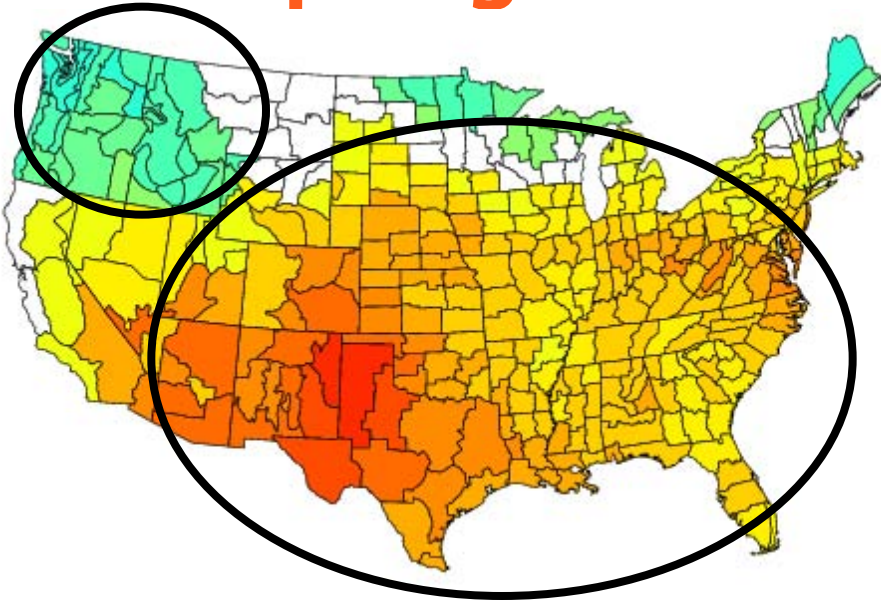
Midwest—12%

S' east—8%

South—17%

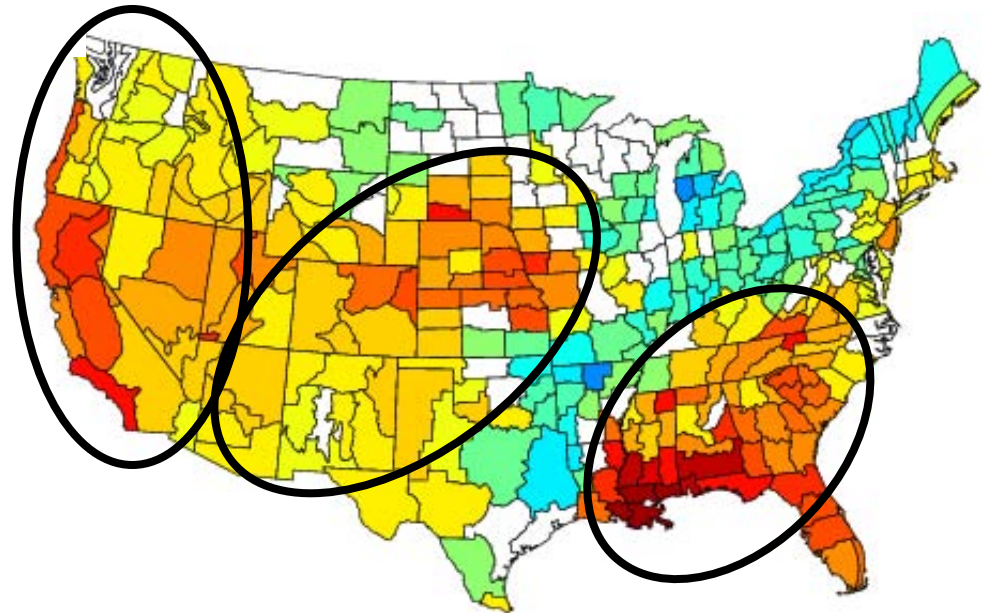
Hi Plains—7%

U.S. Spring—Post-La Nina

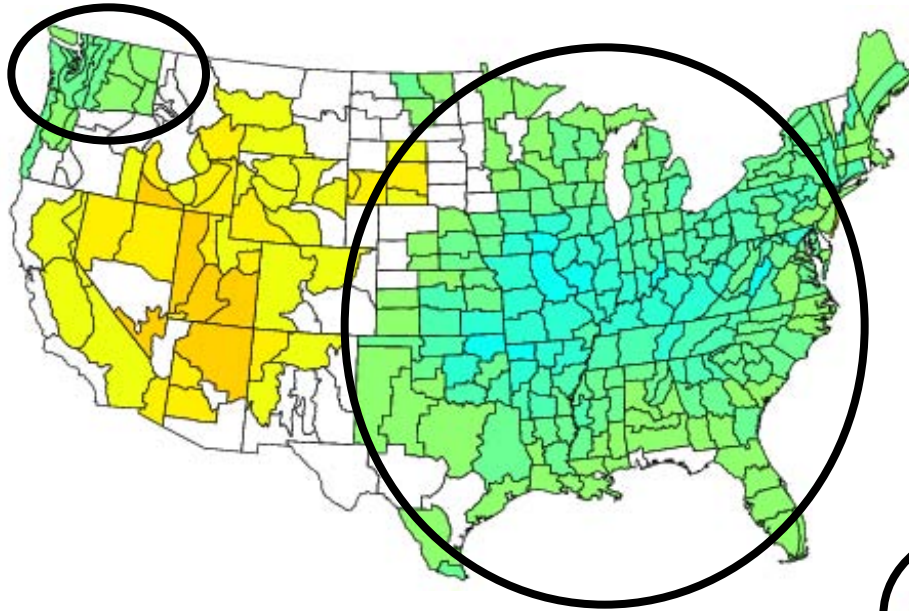


Basically warm temperatures across entire central and southern U.S. Cooler PNW.

Dry W Midwest, NC thru S Plains, West, S' east. Better precip E Midwest.

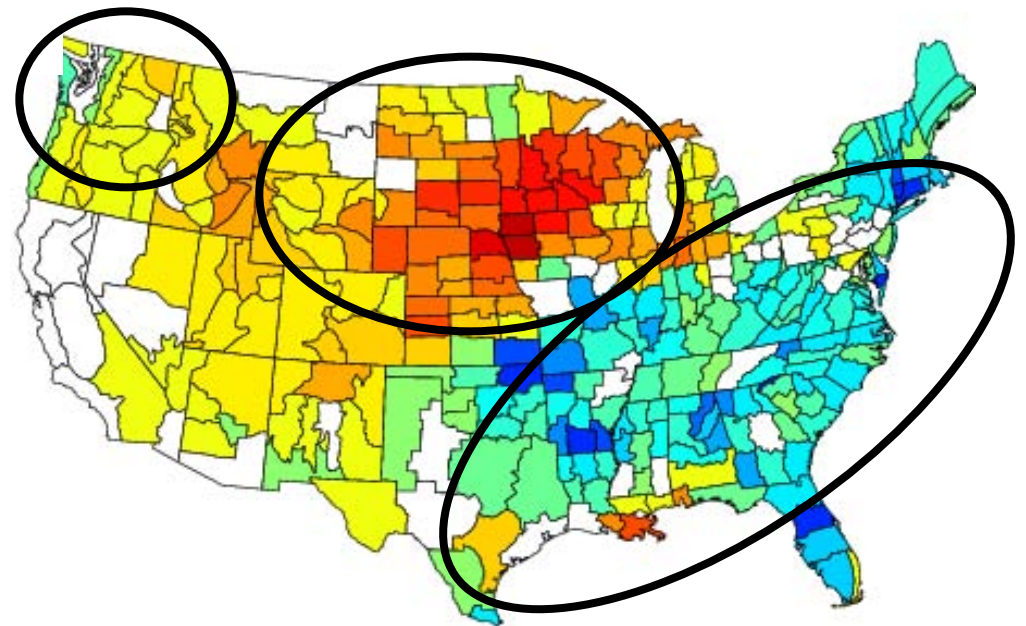


U.S. Summer—Post-La Nina

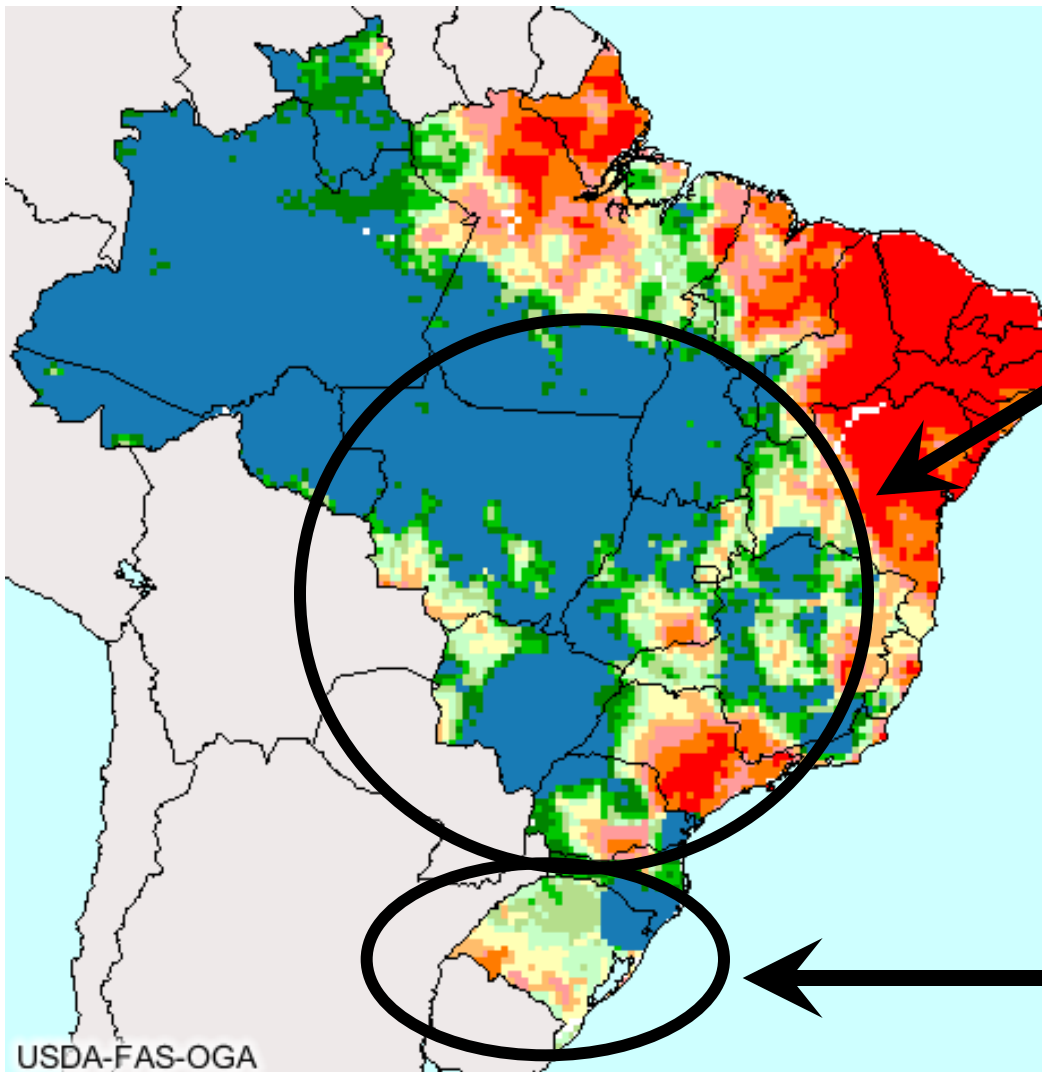


Temps—trending cool over all but Rockies and Southwest.

Precip—drier W & N Midwest, C & N Plains, PNW. Wetter trend E Midwest, Delta, S' east and SW Plains.



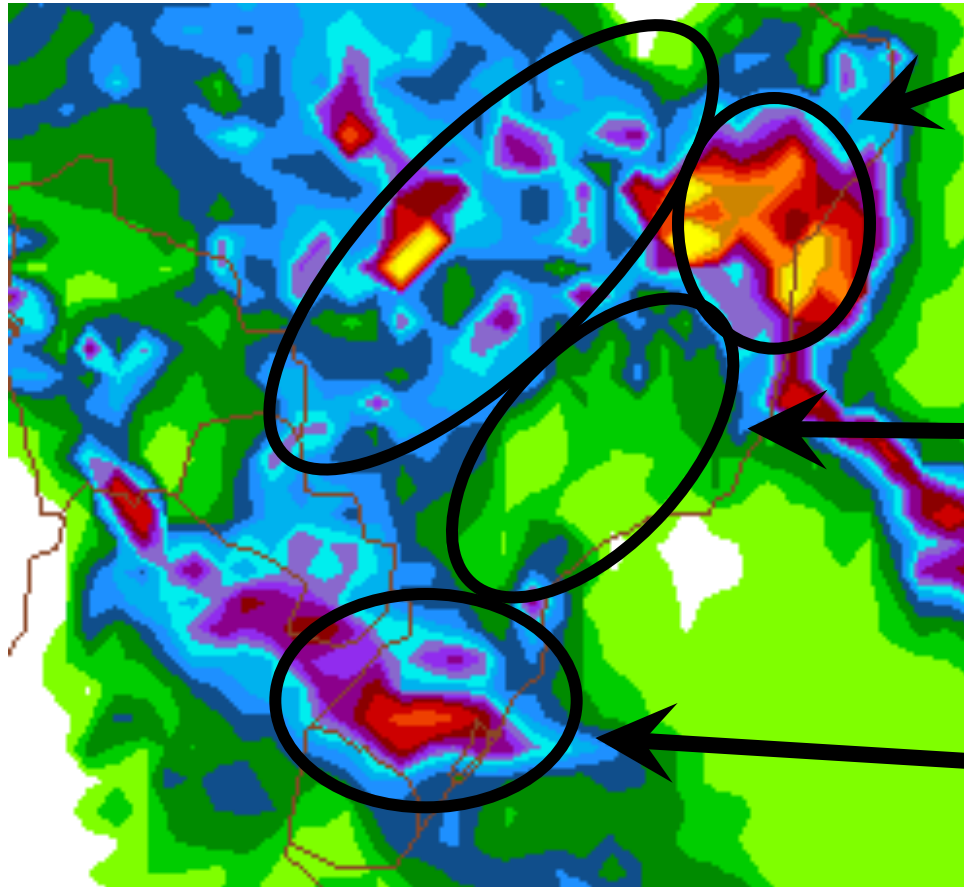
Brazil Soil Moisture



Either good supplies or improving in northern 3/4 of Brazil soybean belt.

Less than 50% in Rio Grande do Sul.

Brazil Forecast

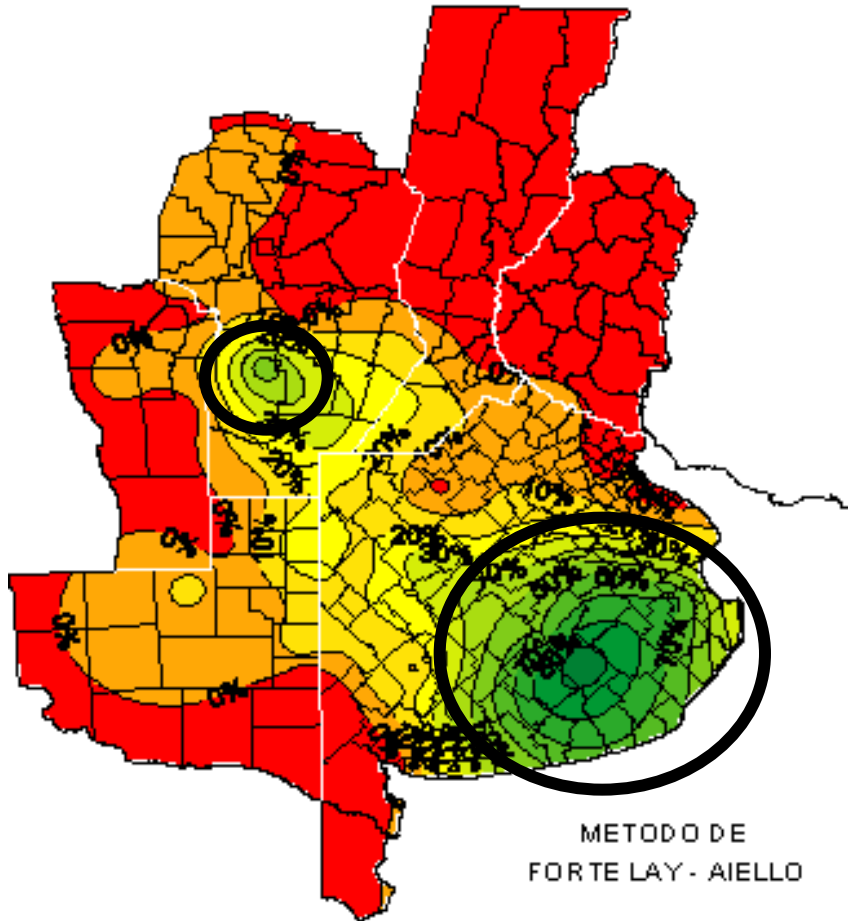


More Mato Grosso showers and heavy in Bahia.

Light in coffee belt.

Good rains for RG do Sul.

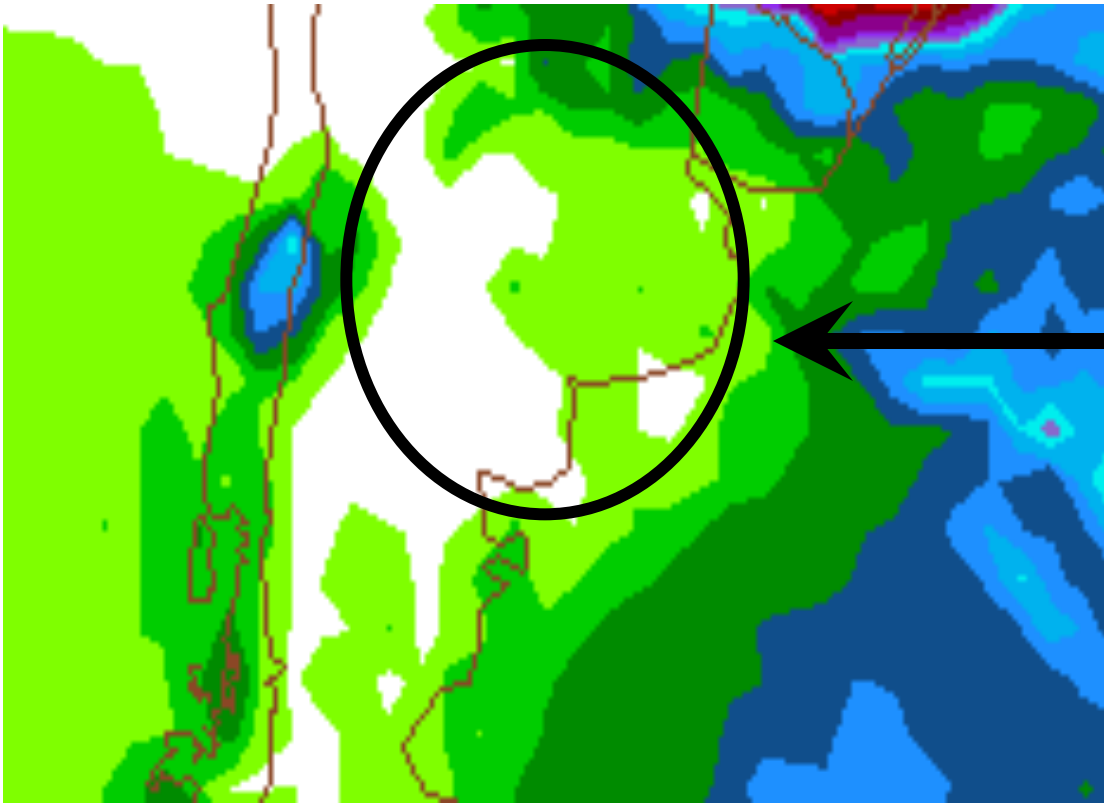
Argentina Soil Moisture



Short to very short in majority of central crop belt.

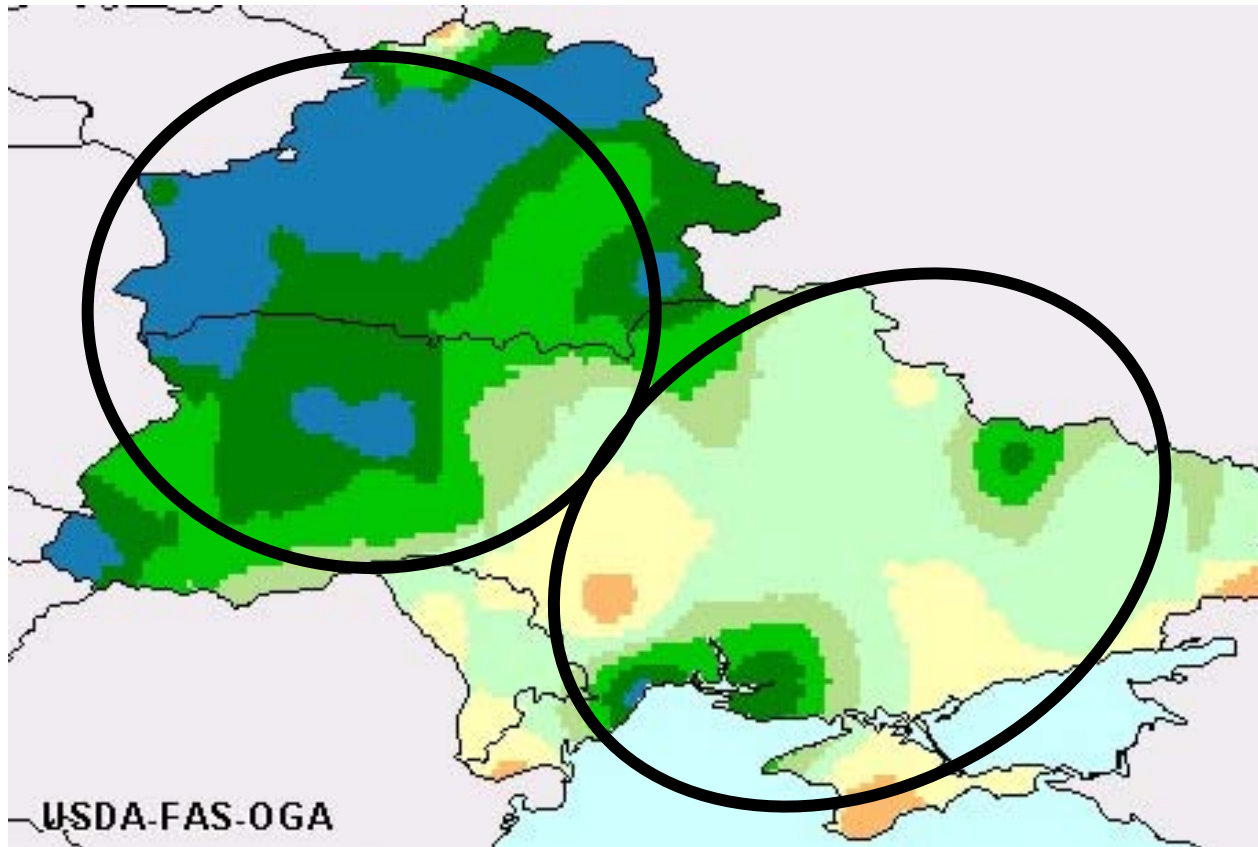
Southern Buenos Aires is the only large area with adequate soil moisture.

Argentina Forecast



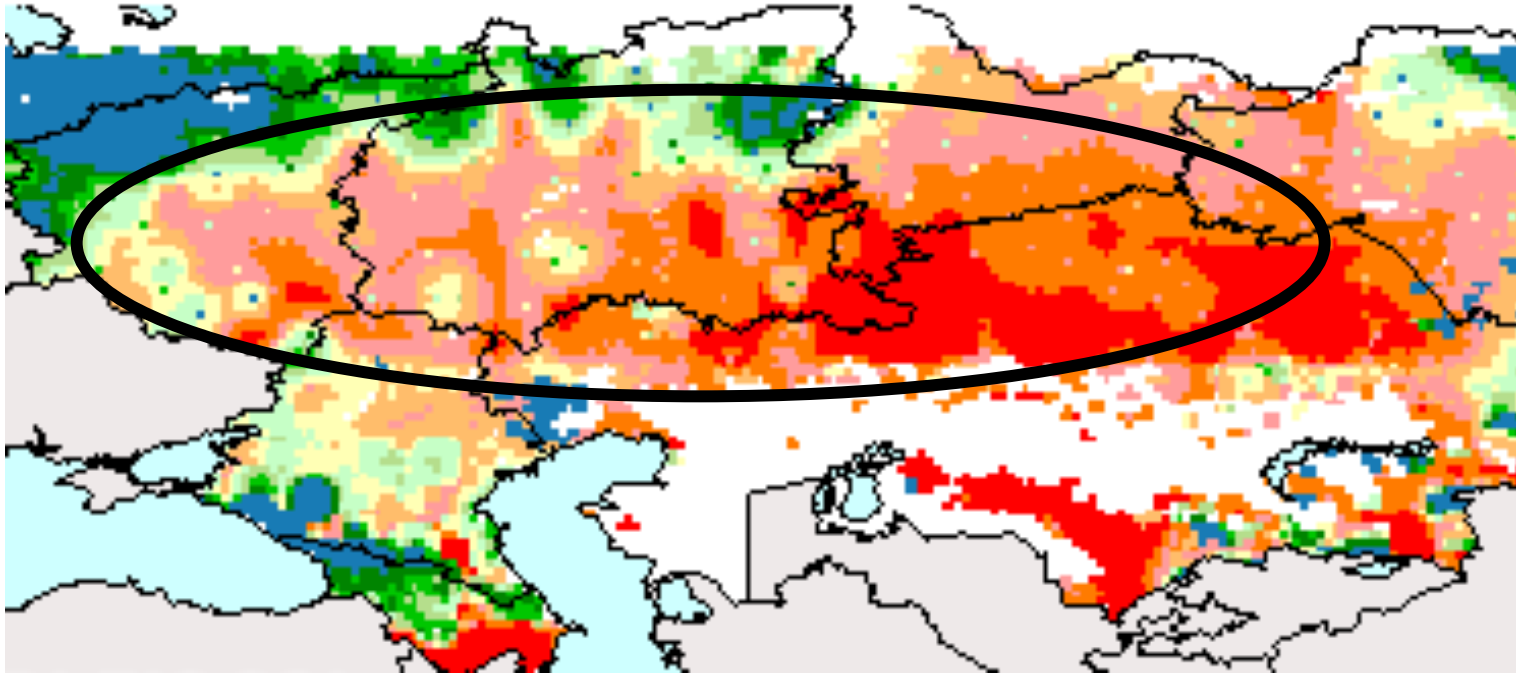
**Very little rain—
no more than
about 1/10 inch
during next 5
days. .**

Ukraine Soil Moisture



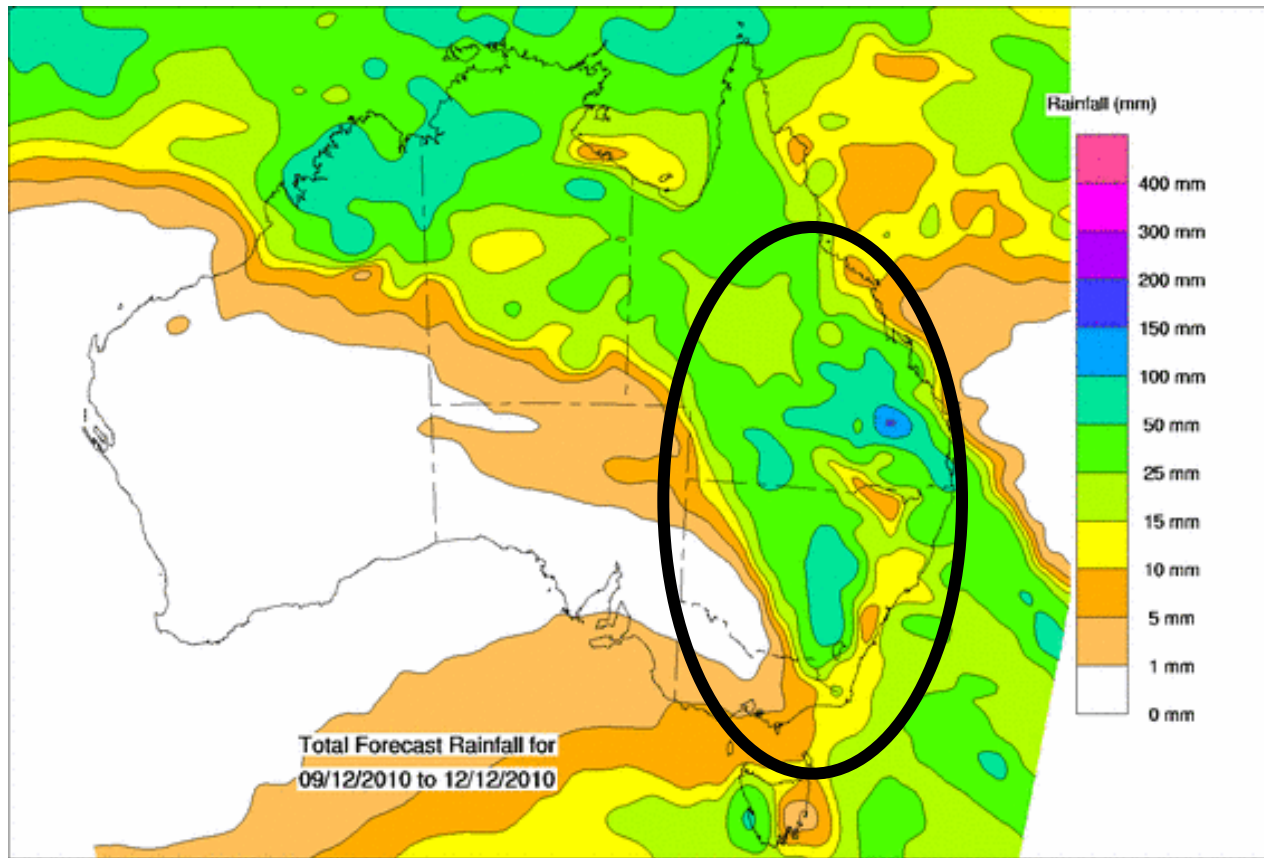
***Western Ukraine and Belarus—
favorable. Central and eastern Ukraine
—trending dry.***

Russia Soil Moisture



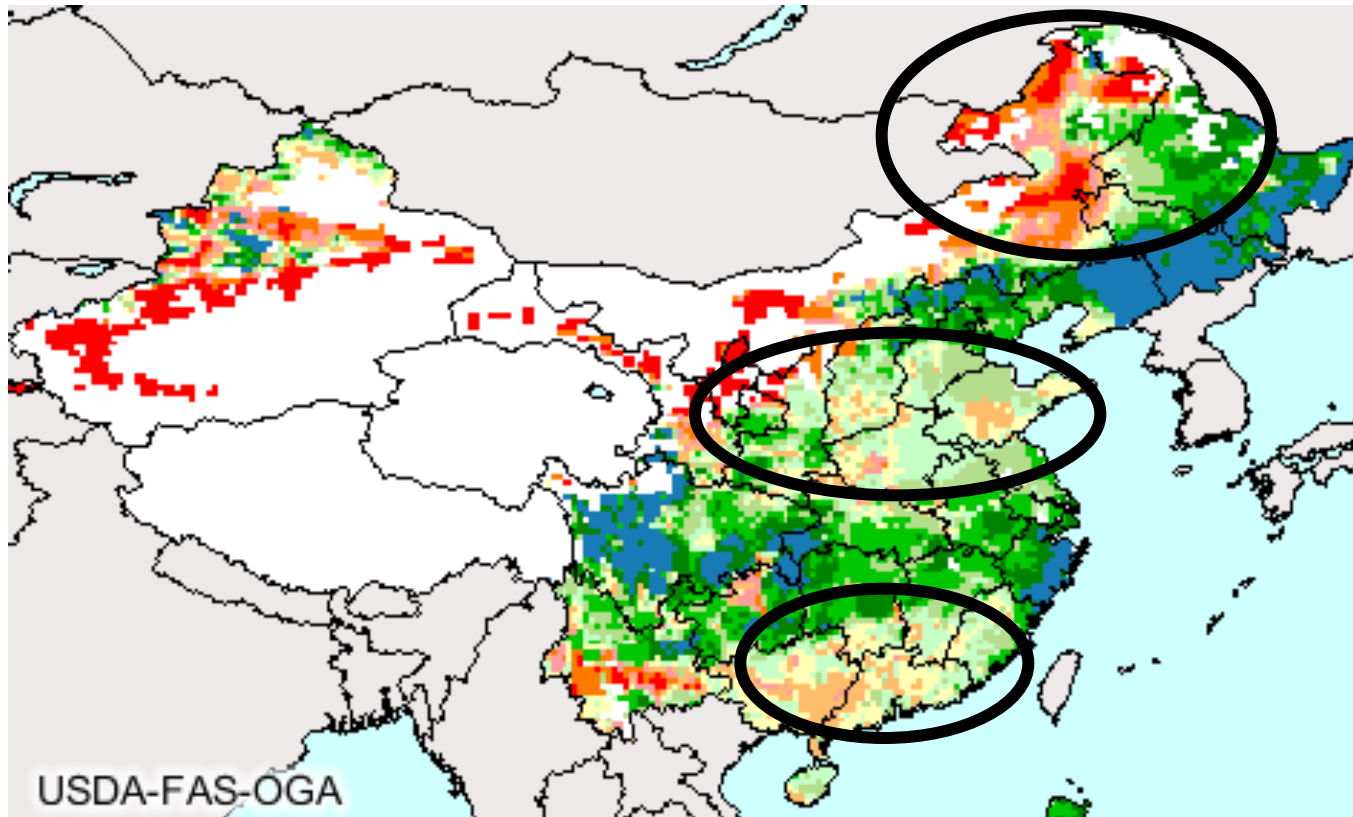
Prime wheat areas are short to very short on soil moisture going into winter. Very similar to the U.S. western Plains situation.

Australia Forecast



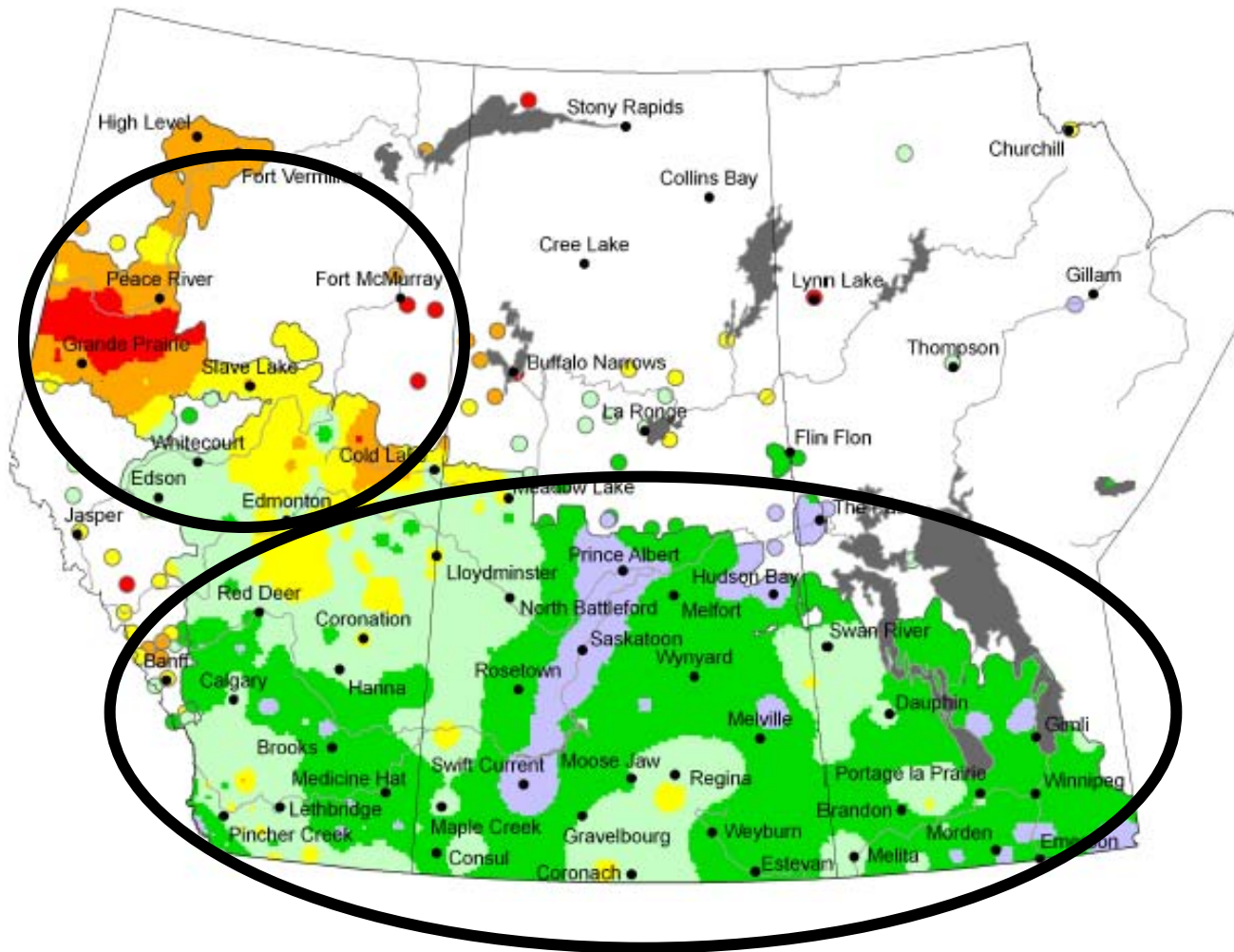
**1-2” rain
continues to
hinder wheat
harvest.
Quality is
down—
production
loss also
possible.**

China Soil Moisture



**Dryness expanding in northeast corn/
soy regions. North China Plain dry.
Southeast turning drier also.**

Canada Prairies Rainfall



Normal to above normal southern 2/3 of region. Dryness forming in northwest.

Ontario Fall Precipitation



Generally near normal. Some dry areas starting to develop though.

2011 Trouble Spots (as of now)

- **Argentina Dryness**
- **Southwest Plains Dryness**
- **Potential For WCB Dry Trend Thru '11**
- **Russia—Only Fair Soil Moisture Recovery**



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Thank you