WORKS CITED

NOAA National Centers for Environmental Information

NOAA Climate Prediction Center

Frontier Weather

Dacula Weather

Purdue University

ESPN

Lake Co., Illinois Forest Preserves

INDIANA WEATHER

the 11 seasons of midwestern states:

winter
fool's spring
second winter
spring of deception
third winter
mud season
actual spring
summer
false fall
second summer (1 week)
actual fall

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the 11 seasons of midwestern states:

winter
fool's spring
second winter
spring of deception
third winter
mud season
actual spring
summer
false fall
second summer (1 week)
actual fall

DOGWOOD WINTER

BLACKBERRY WINTER

TWO SECOND SUMMERS IN FALL (AFTER FIRST FREEZE & THEN AFTER FIRST HARD FREEZE)

TWO PRAIRIE & FOREST FIRE SEASONS

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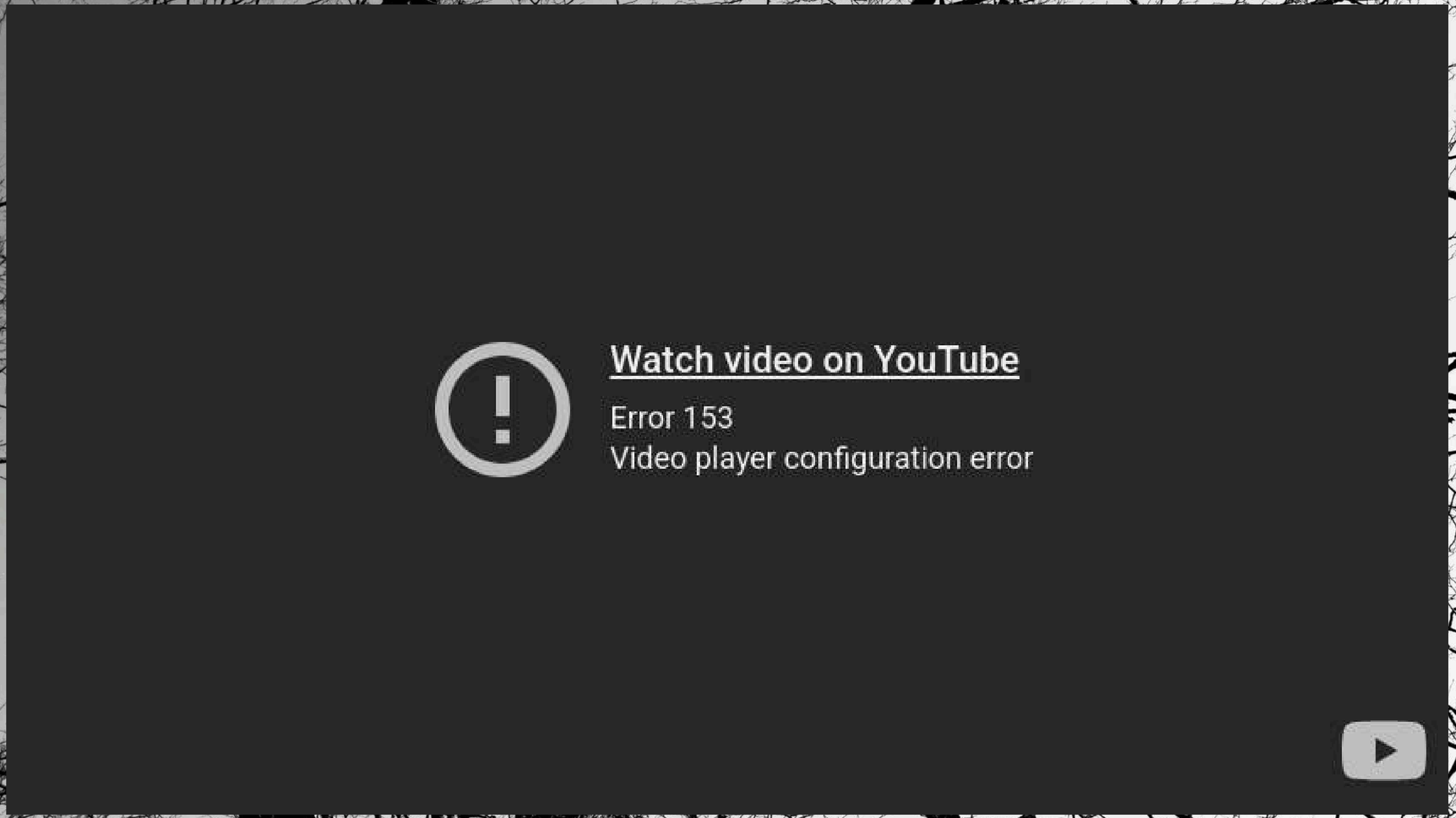

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PECANS & BLACK WALNUTS BLOOM & FOLIATE AFTER DOGWOOD

WINTER

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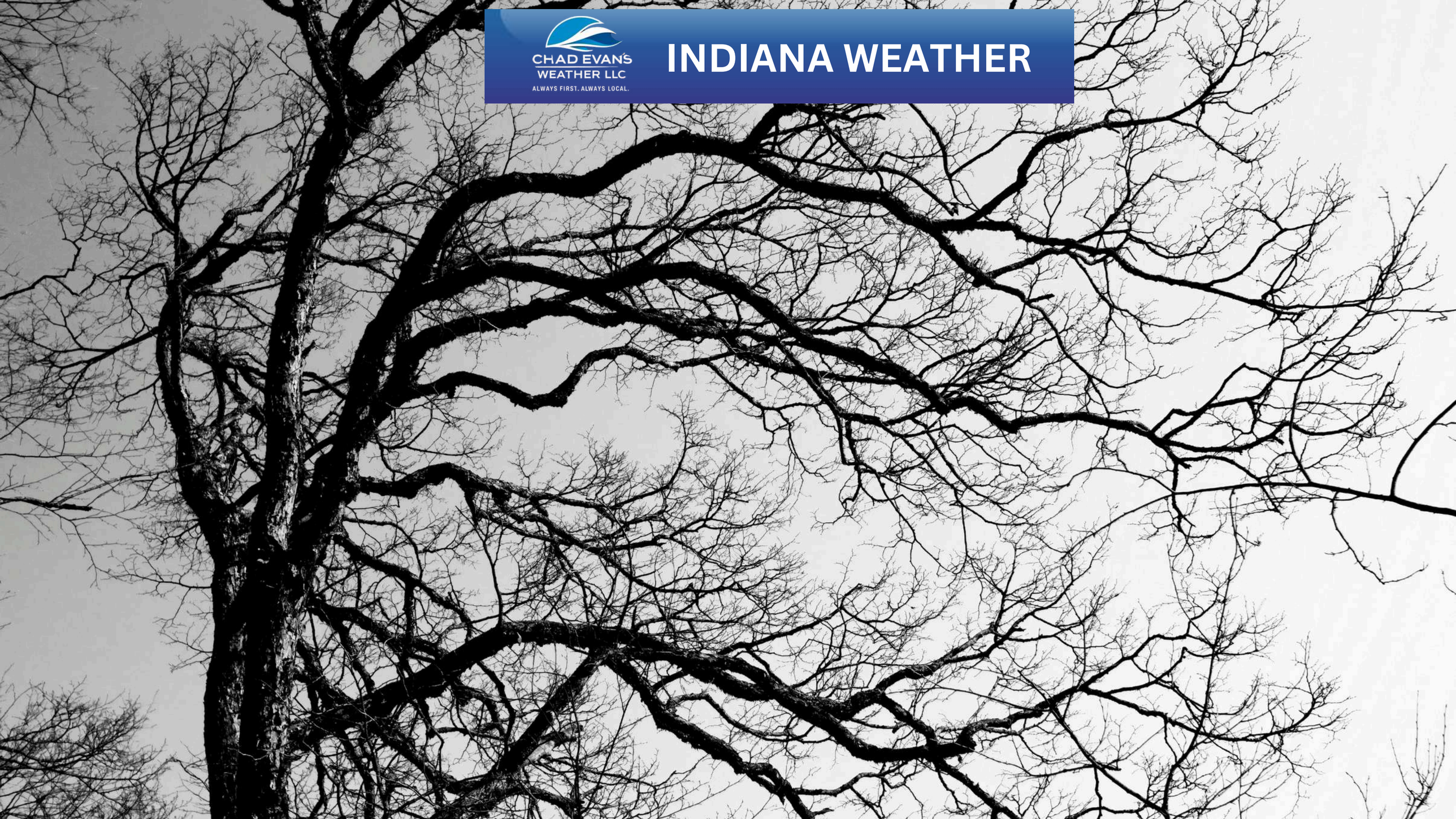
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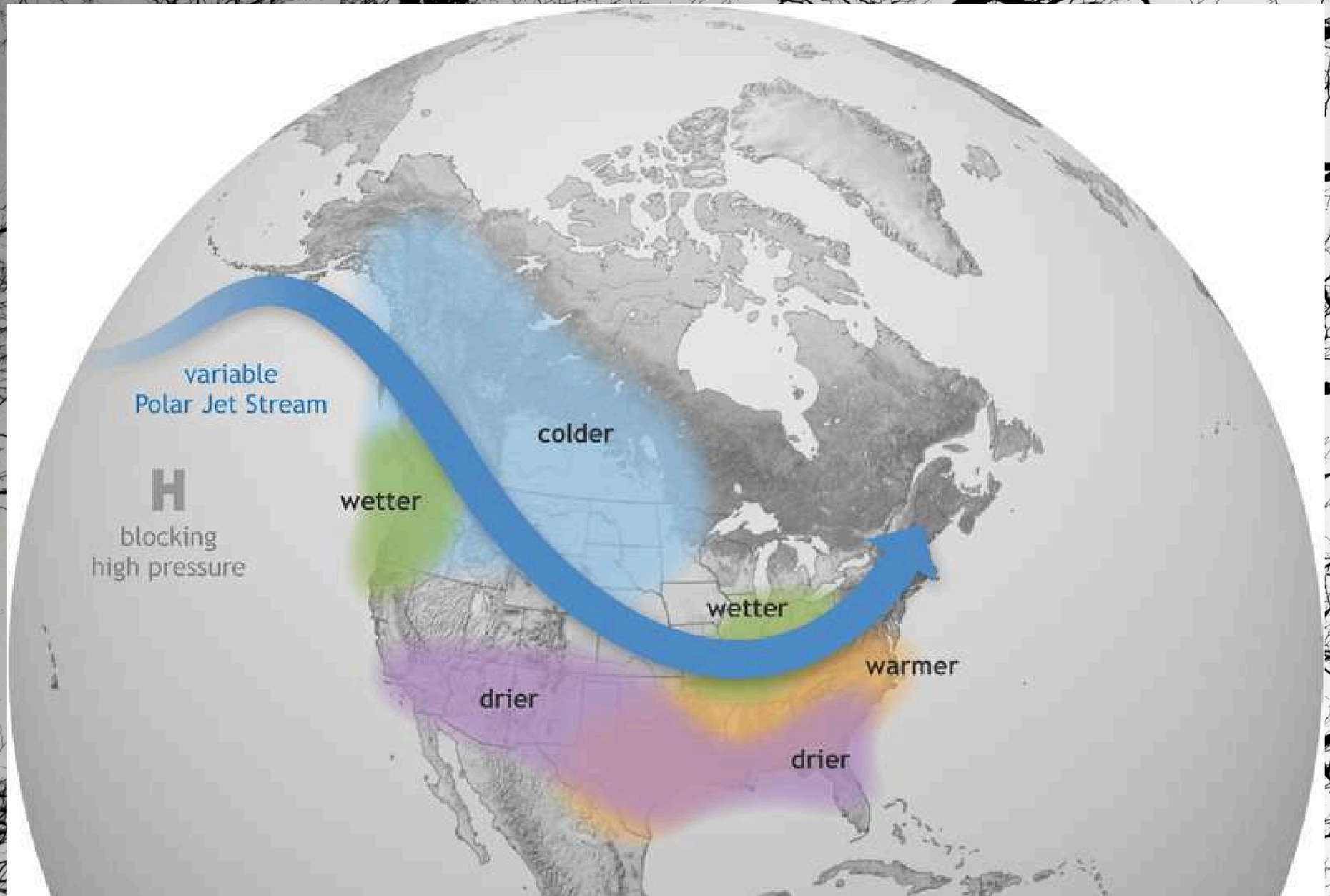

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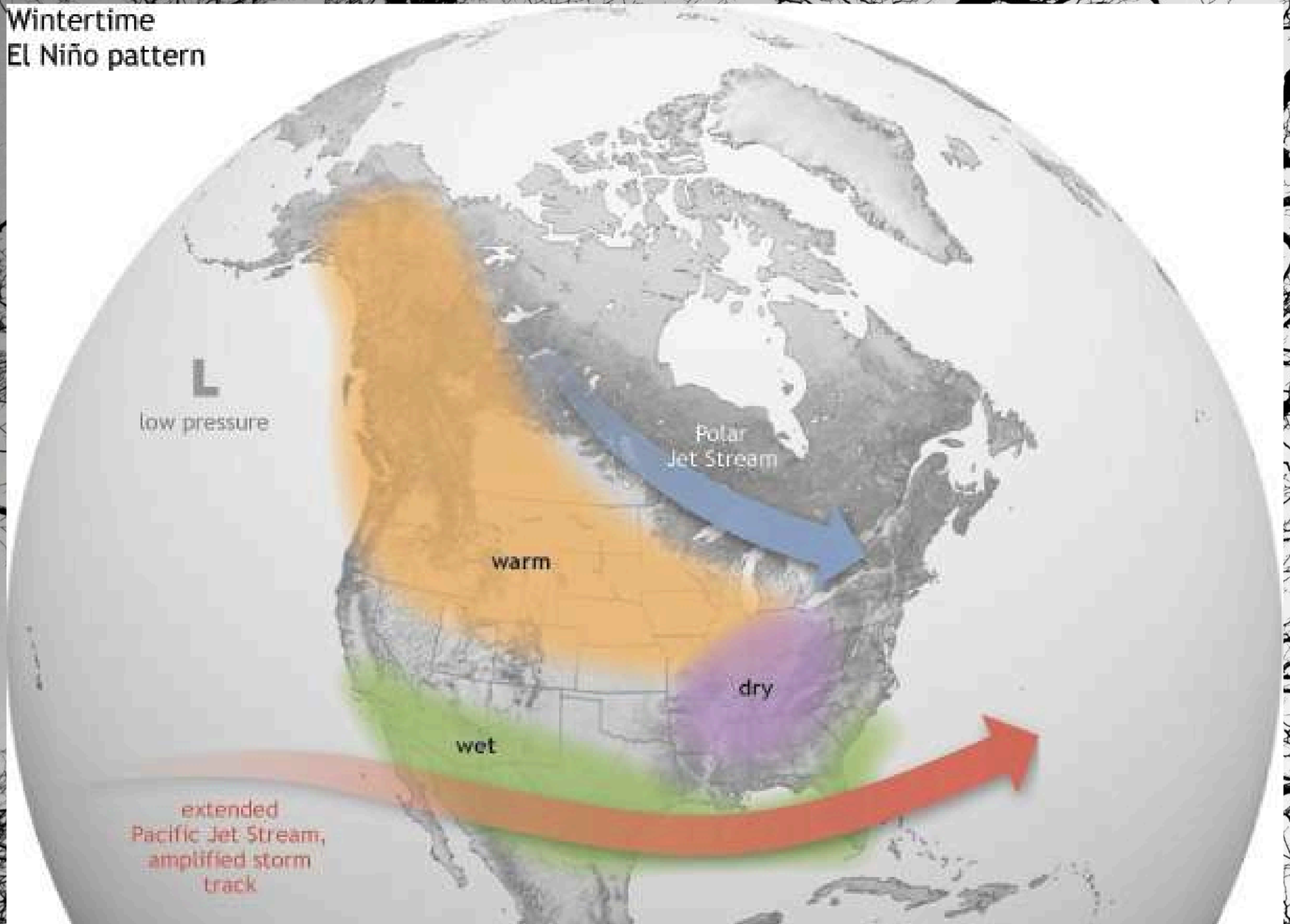

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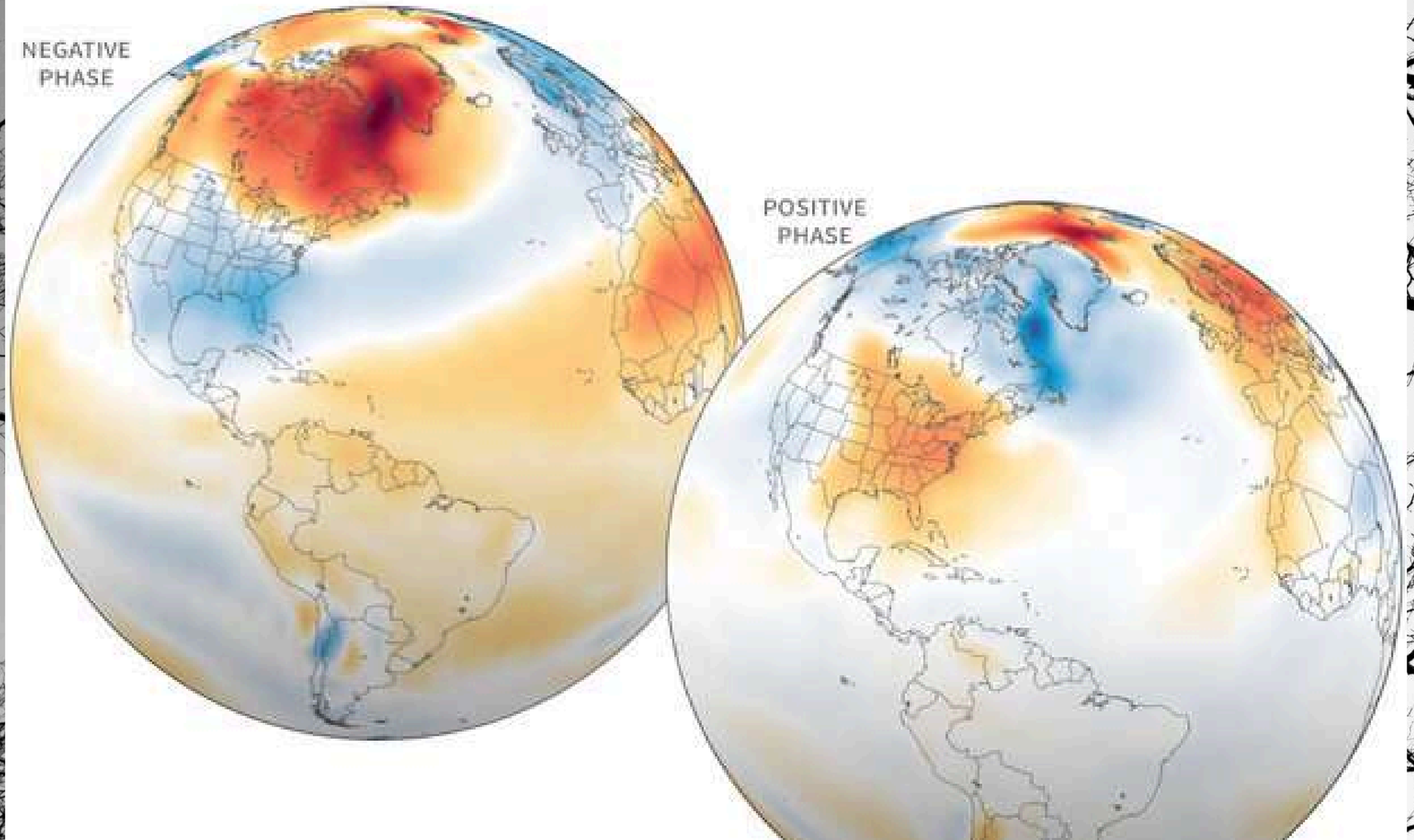
NAO TEMPERATURE PATTERNS



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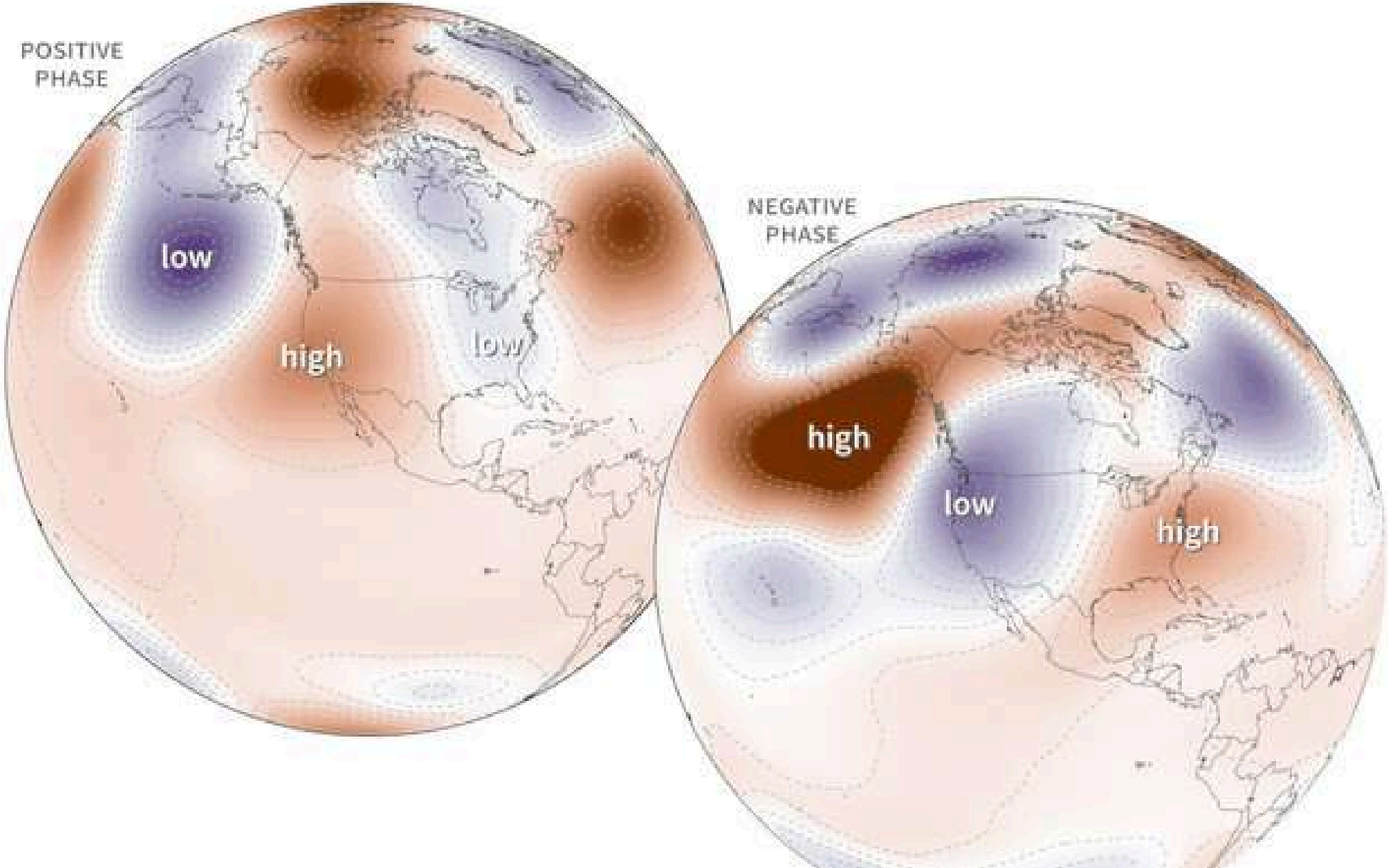
PNA TRI-POLE PRESSURE PATTERNS



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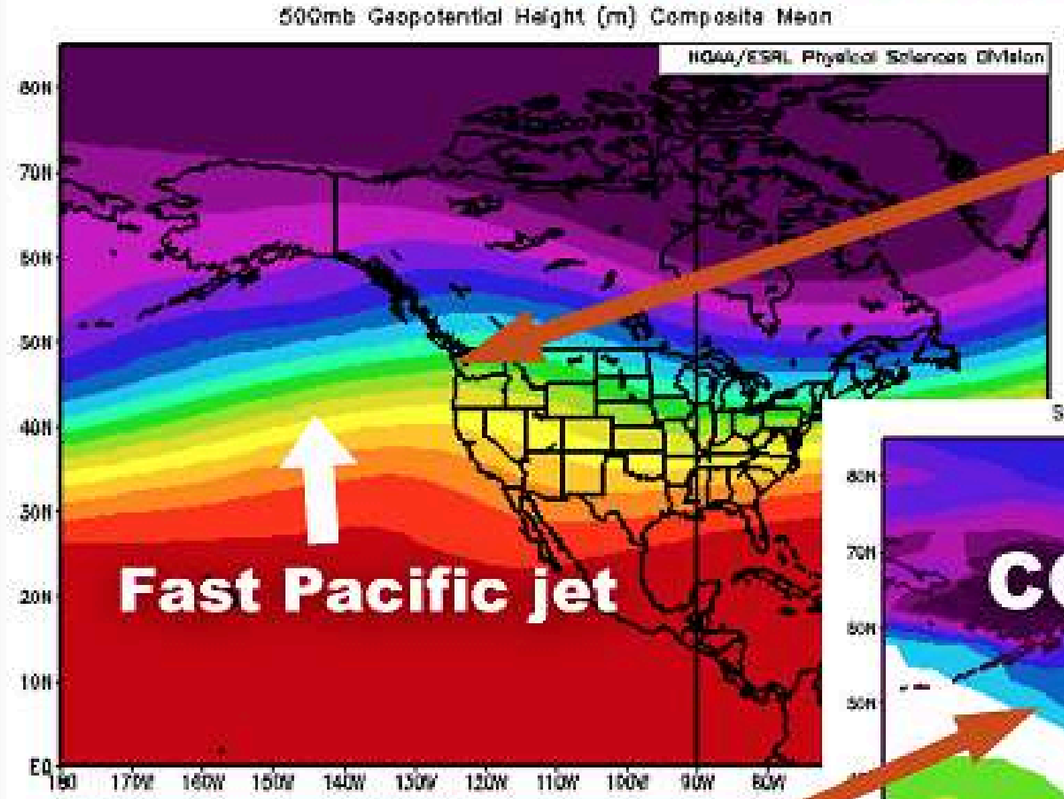
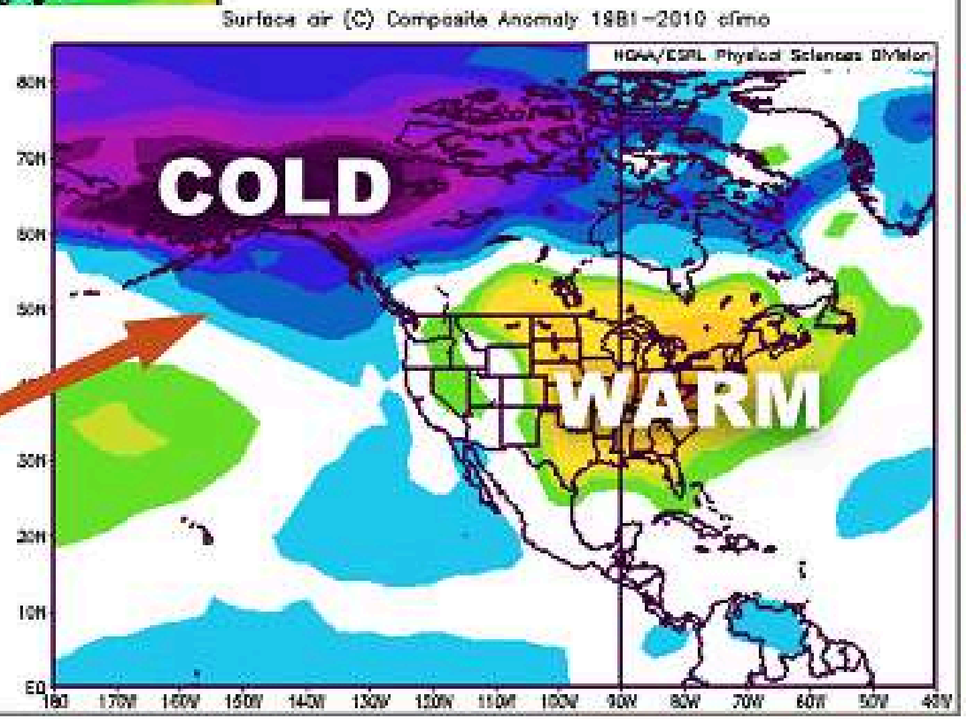
POSITIVE EPO PATTERN



A positive EPO features faster zonal flow, flooding the lower 48 with milder Pacific air.



This produces a cold pattern across Alaska and a mild one for the lower 48.

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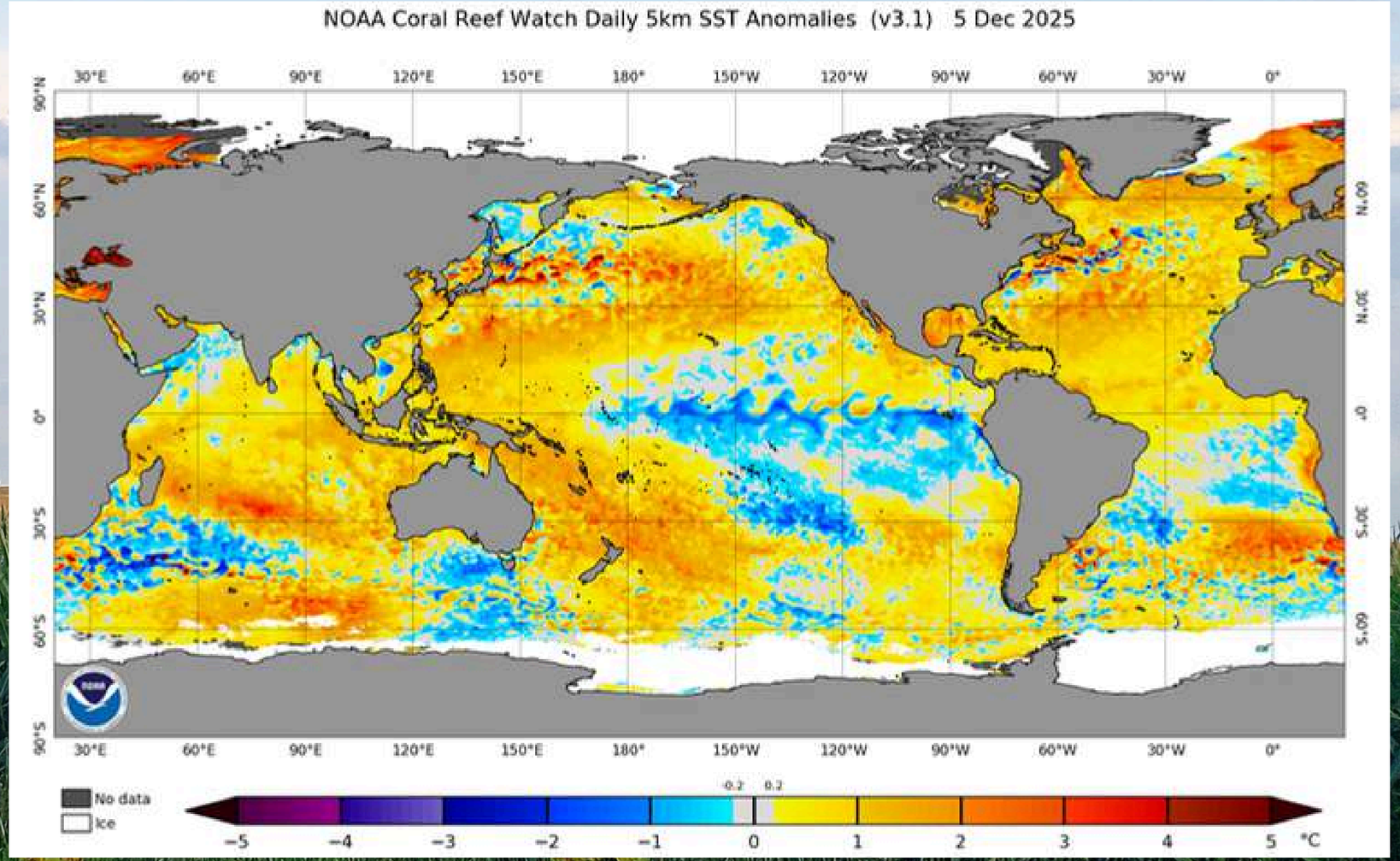
1. **ENSO, ENSO COUPLING**
2. **NINO INDEX**
3. **NAO**
4. **AO**
5. **PNA**
6. **PDO**
7. **MJO**
8. **IOD**
9. **QBO**
10. **SSW**
11. **MHW**
12. **EPO**
13. **WPO**
14. **AMO**



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ALSO “COLD TONGUE” EL NINO

1. **Eastern Pacific (Cold Tongue) El Niño:**
   - **What it is:** The classic, conventional El Niño, characterized by strong warming in the *eastern* tropical Pacific, near the South American coast (the Niño 3 region).
   - **Impacts:** Brings warmer, drier conditions to the northern U.S., and wetter, flooding conditions to the southern U.S..
2. **Central Pacific (Warm Pool/Modoki) El Niño:**
   - **What it is:** Warming is concentrated in the *central* Pacific (the Niño 4 region), rather than the east, hence the name "Modoki" (similar but different).
   - **Impacts:** Can have different weather effects, sometimes leading to increased Atlantic hurricane activity, distinct from the Eastern Pacific type.
3. **Trans Niño:**
   - **What it is:** A "flavor" describing the transition periods *at the beginning or end* of an El Niño event, as waters shift from neutral or La Niña to El Niño conditions.
   - **Impacts:** Associated with increased tornado activity in the American Midwest during its onset.

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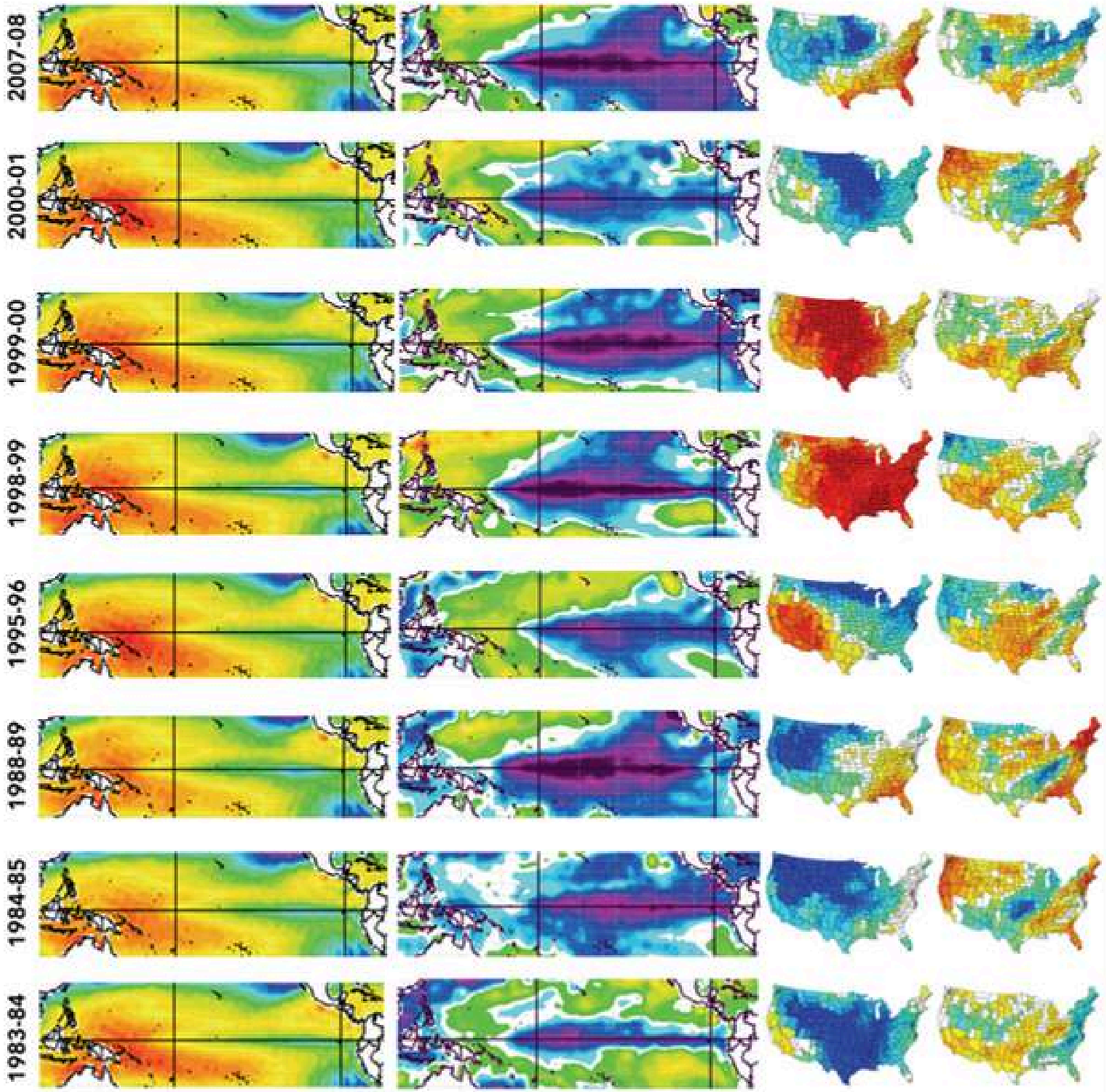
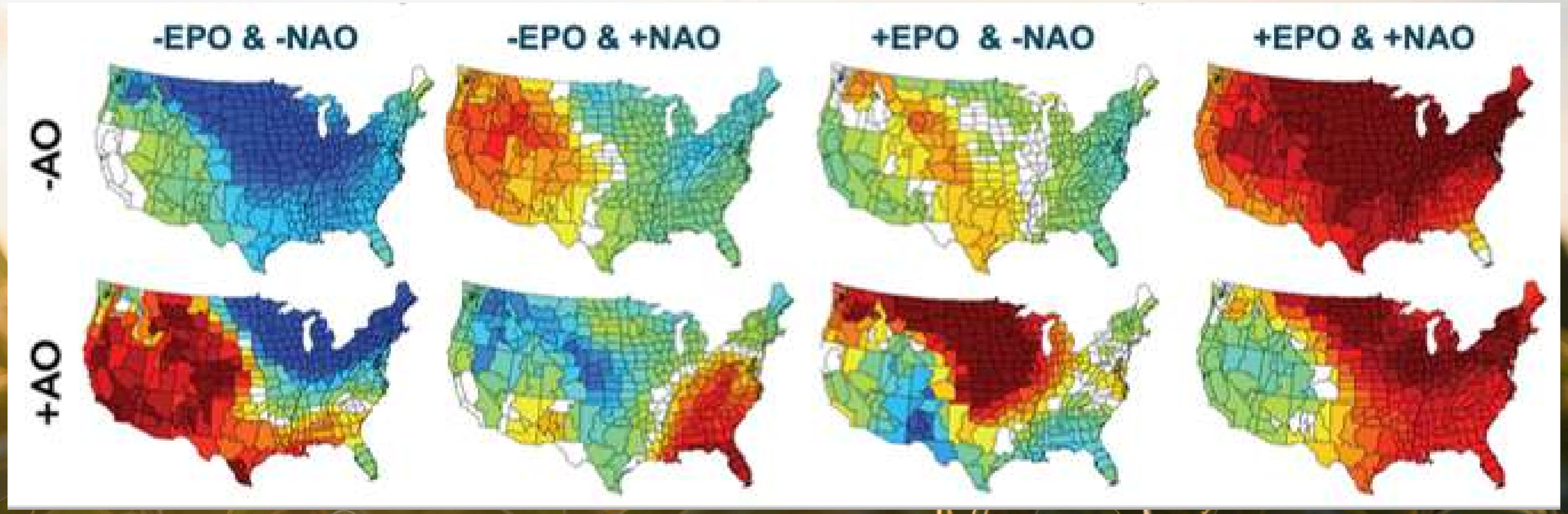
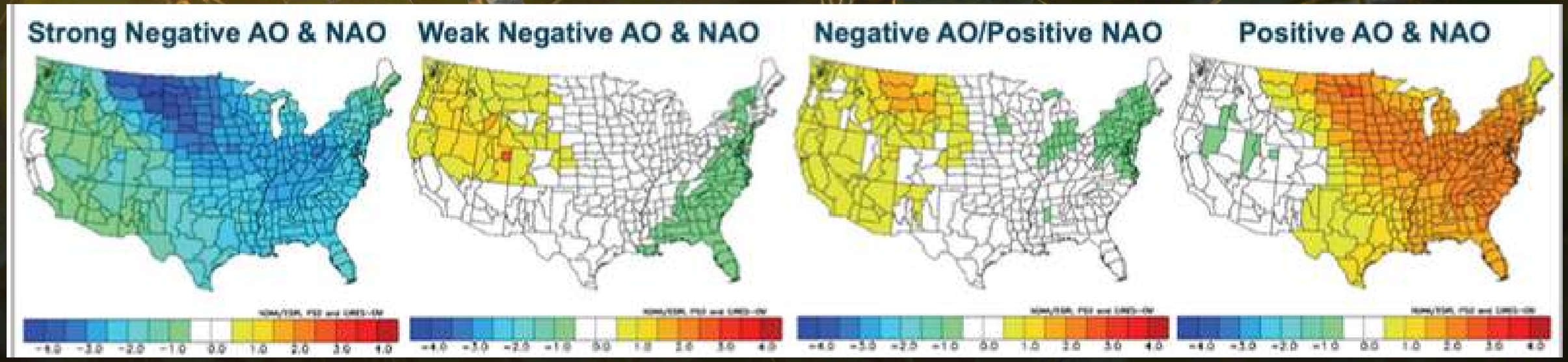
LA NINAS




-EPO & -NAO
-EPO & +NAO
+EPO & -NAO
+EPO & +NAO
-AO
+AO


Strong Negative AO & NAO
Weak Negative AO & NAO
Negative AO/Positive NAO
Positive AO & NAO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Purdue
9
2
3
32
6
PURDUE

First Round

1. **Mavericks** draft Cooper Flagg (Duke)

2. **Spurs** draft Dylan Harper (Rutgers)

3. **76ers** draft VJ Edgecombe (Baylor)

4. **Hornets** draft Kon Knueppel (Duke)

5. **Jazz** draft Ace Bailey (Rutgers)

6. **Wizards** draft Tre Johnson (Texas)

7. **Pelicans** draft Jeremiah Fears (Oklahoma)

8. **Nets** draft Egor Demin (BYU)

9. **Raptors** draft Collin Murray-Boyles (South Carolina)

10. **Rockets** draft Khaman Maluach (Duke) – Traded to Suns

11. **Trail Blazers** draft Cedric Coward (Washington State) – Traded to Grizzlies

12. **Bulls** draft Noa Essengue (Ratiopharm Ulm)

13. **Hawks** draft Derik Queen (Maryland) – Traded to Pelicans

14. **Spurs** draft Carter Bryant (Arizona)

45. **Bulls** draft Rocco Zikarsky (Brisbane) – Traded to Wolves (via Lakers)

46. **Magic** draft Amari Williams (Kentucky) – Traded to Celtics

47. **Bucks** draft Bogoljub Marković (Mega Basket)

48. **Grizzlies** draft Javon Small (West Virginia)

49. **Cavaliers** draft Tyrese Proctor (Duke)

50. **Knicks** draft Kobe Sanders (Nevada) – Traded to Clippers

51. **Clippers** draft Mohamed Diawara (Cholet Basket) – Traded to Knicks

52. **Suns** draft Alex Toohey (Sydney Kings) – Traded to Warriors

53. **Jazz** draft John Tonje (Wisconsin)

54. **Pacers** draft Taelon Peter (Liberty)

55. **Lakers** draft Lachlan Olbrich (Illawarra Hawks) – Traded to Bulls

56. **Grizzlies** draft Will Richard (Florida) – Traded to Warriors

57. **Magic** draft Max Shulga (VCU) – Traded to Celtics

58. **Cavaliers** draft Saliou Niang (Trento)

59. **Rockets** draft Jahmai Mashack (Tennessee) – Traded to Grizzlies (via Warriors & Suns)

1	Purdue	8-0	4-0	2-0	W8
2	Arizona	7-0	4-0	1-0	W7
3	Michigan	7-0	2-0	1-0	W7
4	Duke	9-0	5-0	1-0	W9
5	UConn	7-1	4-1	1-0	W3
6	Louisville	7-0	6-0	0-0	W7
7	MI State	8-0	5-0	0-0	W8
8	Houston	7-1	4-0	0-0	W1
9	BYU	6-1	2-0	0-0	W3
10	Iowa State	7-0	3-0	0-0	W7
11	Gonzaga	7-1	3-0	1-0	L1
12	Alabama	5-2	1-1	1-0	W2
13	Tennessee	7-2	5-0	0-1	L2
14	Illinois	6-2	6-0	0-0	L1
15	Florida	5-3	3-0	0-1	L1

16	UNC	7-1
17	Vanderbilt	8-0
18	Kentucky	5-3
19	Texas Tech	6-2
20	Auburn	6-2
21	Kansas	6-3
22	Indiana	7-0
23	St John's	4-3
24	USC	8-0
25	Arkansas	5-2

*On March 18, the NCAA Division I Men's Basketball Committee will select eight teams to play in the First Four. Those games are scheduled for March 18 and 19 in Dayton. The four winning teams will advance to first-round sites to be determined by the committee during selection weekend. First-/second-round and regional sites will be placed in the bracket by the committee on March 16.
March 20 and 22 first-/second-round sites: Denver, Lexington, Providence, Wichita.
March 21 and 23 first-/second-round sites: Cleveland, Milwaukee, Raleigh, Seattle.

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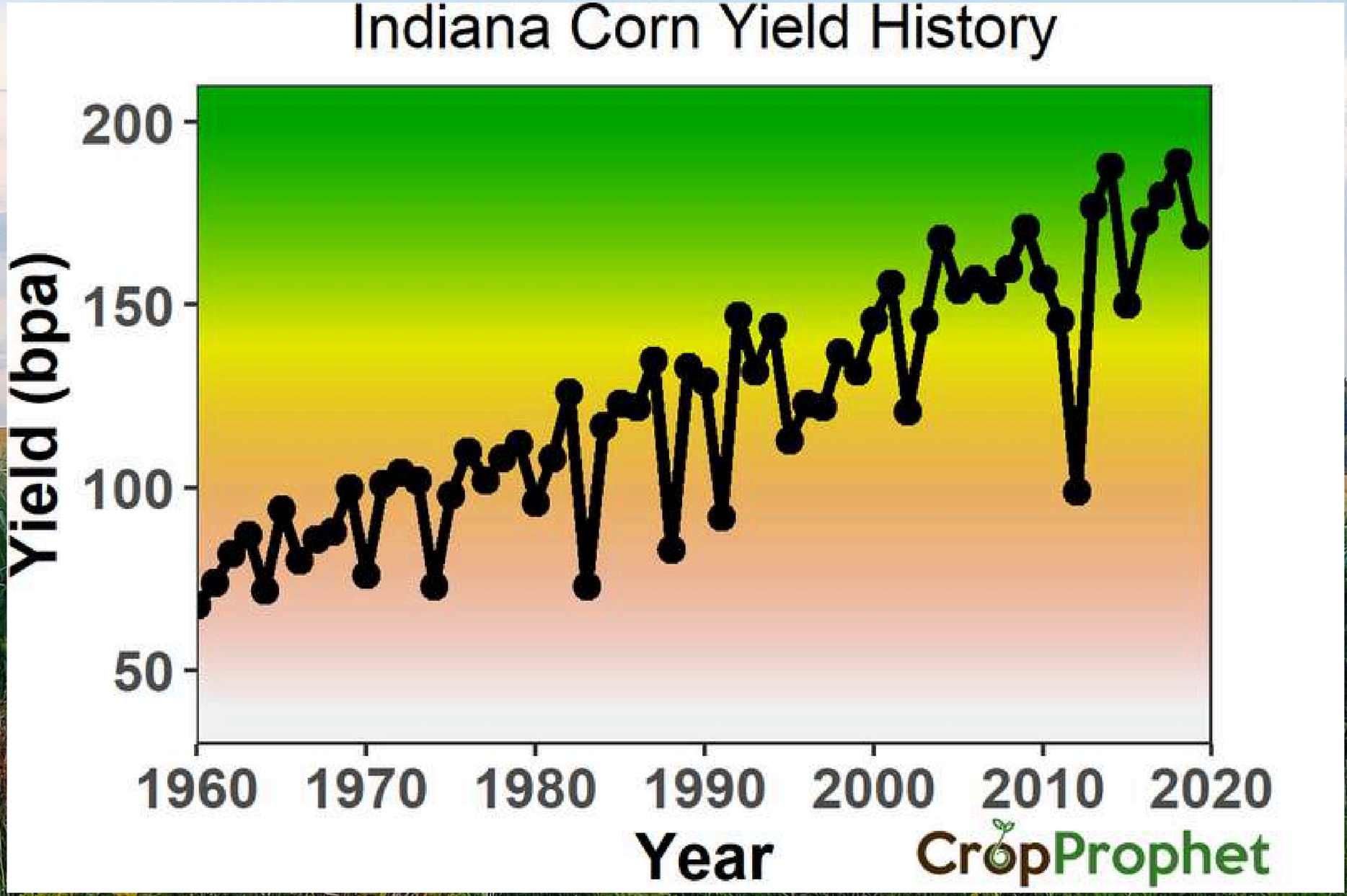
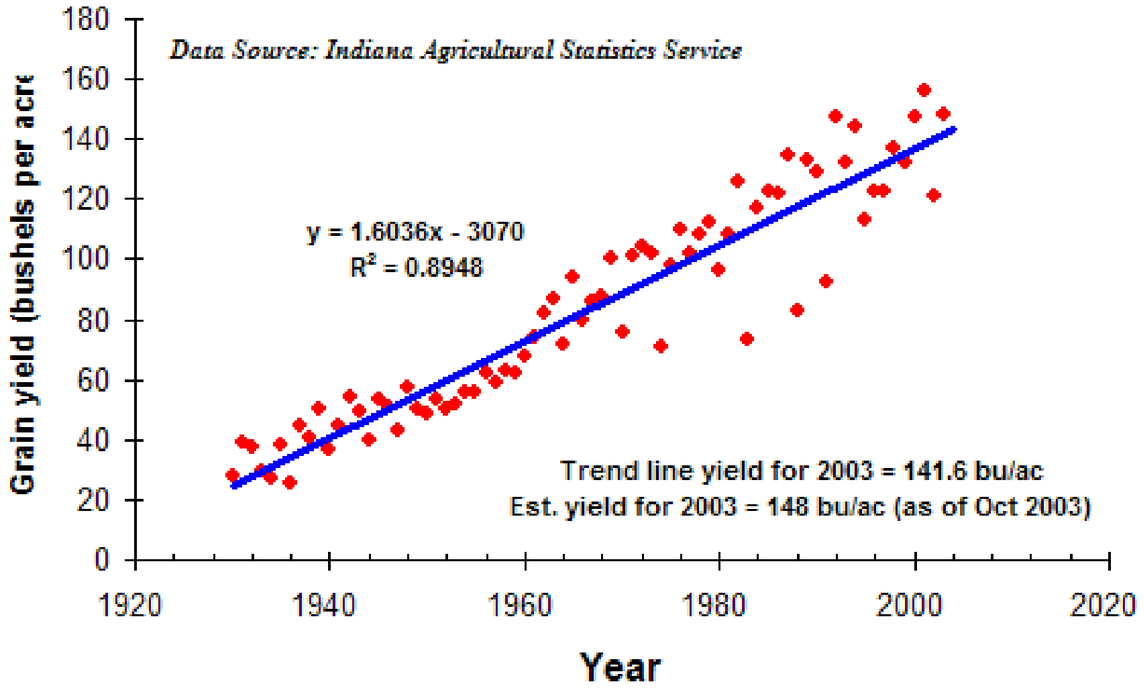
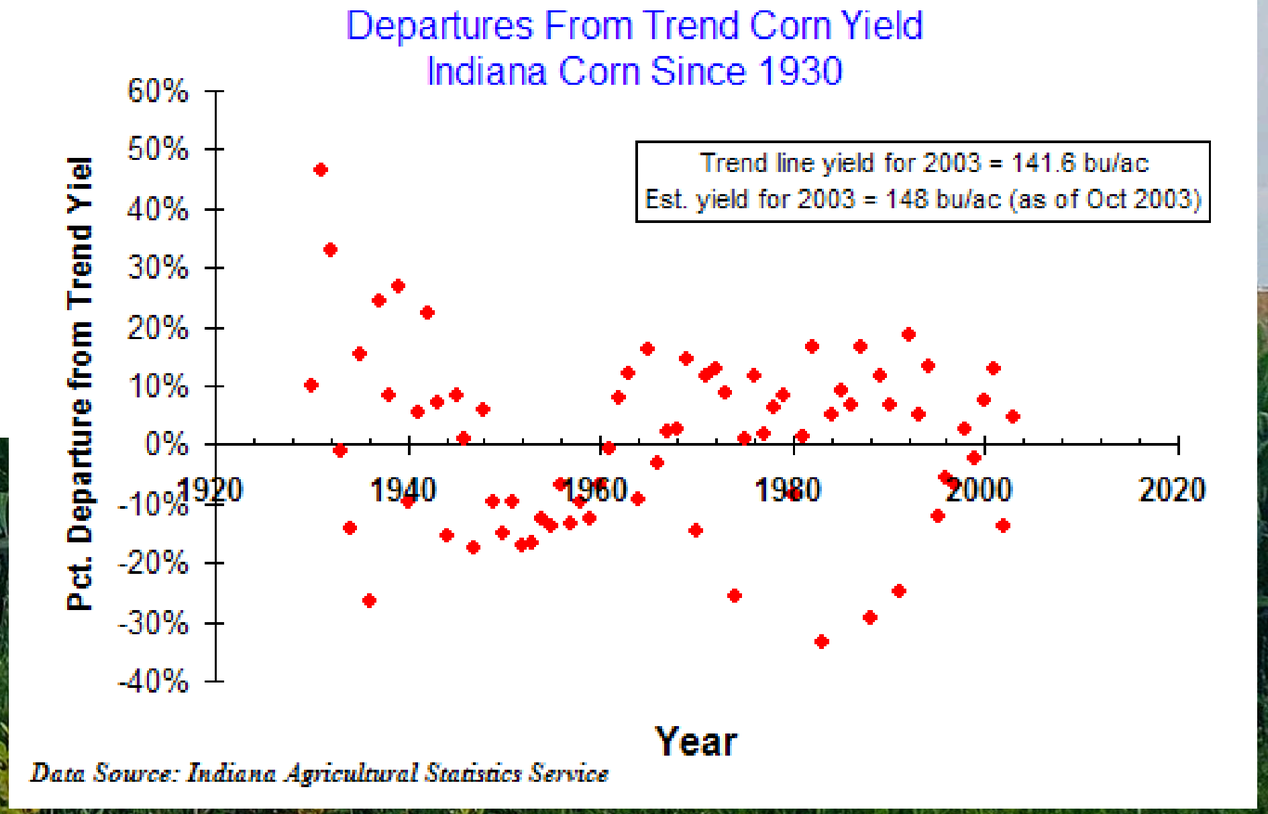


INDIANA WEATHER





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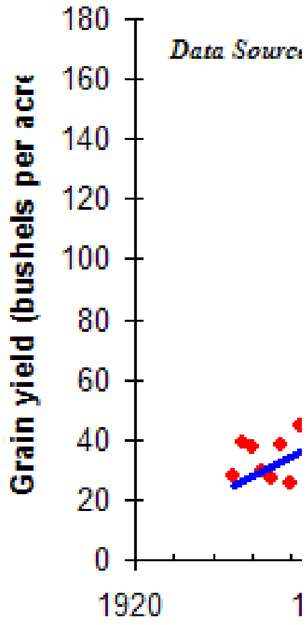
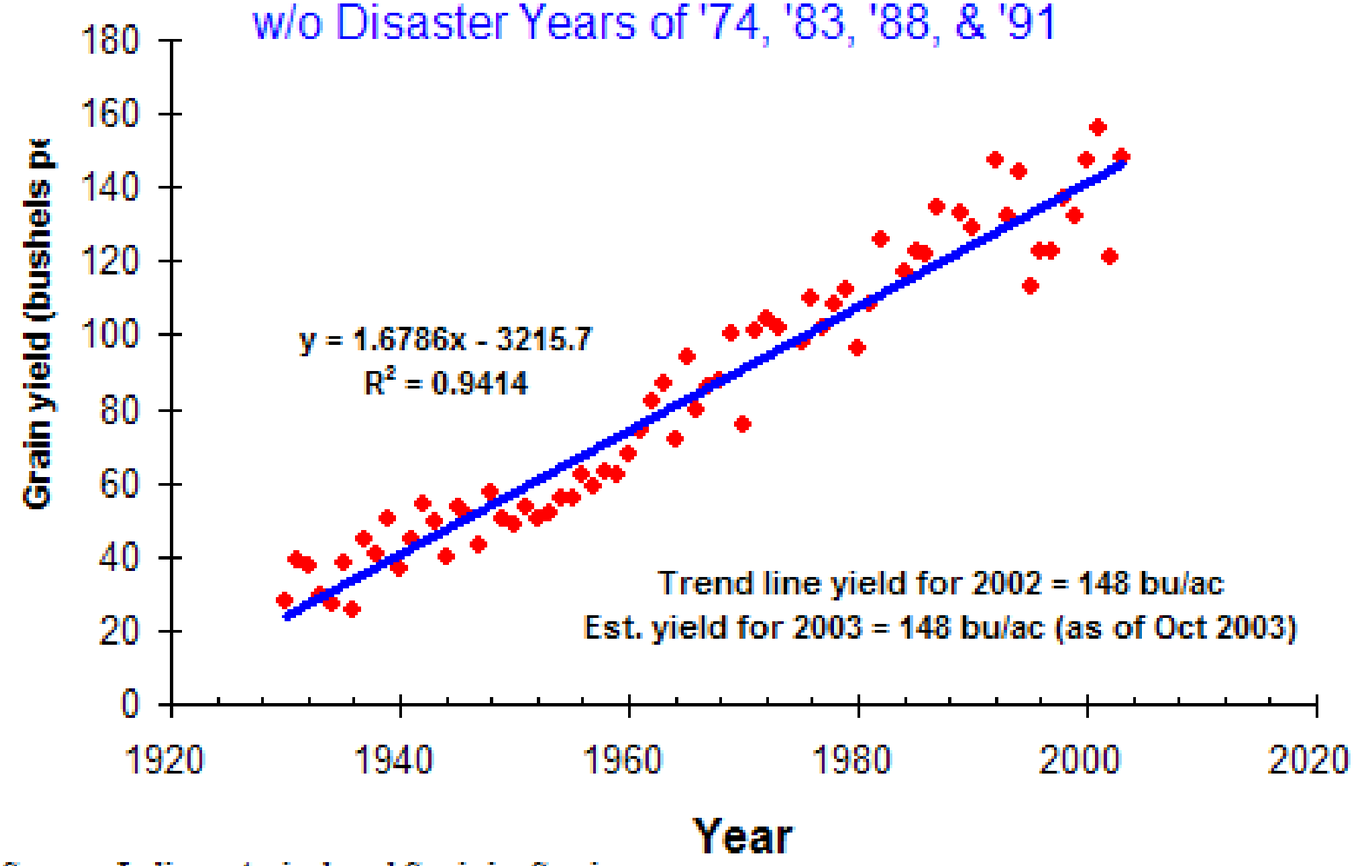
Indiana Corn Grain Yield Since 1930

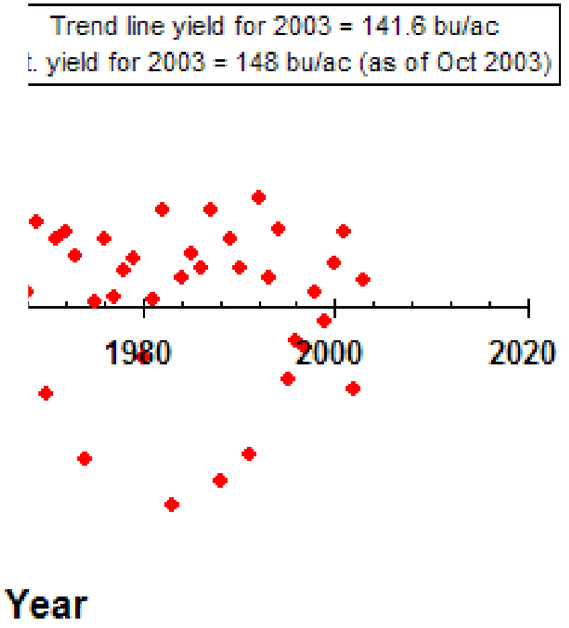


Indiana Corn Grain Yield Since 1930 w/o Disaster Years of '74, '83, '88, & '91



Data Source: Indiana Agricultural Statistics Service

end Corn Yield ince 1930



Data Source: Indiana Agricultural Statistics Service

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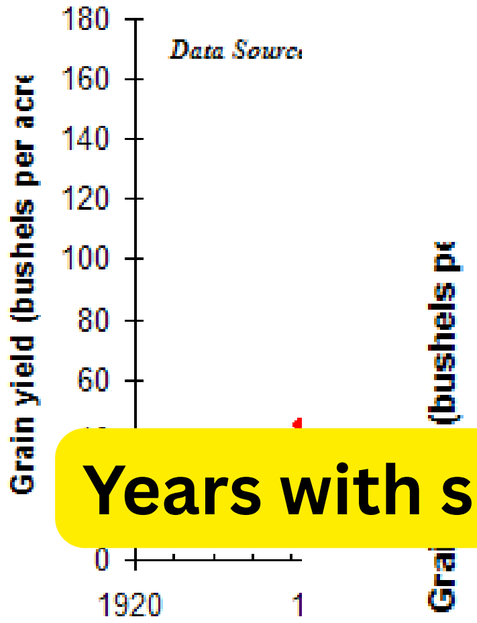
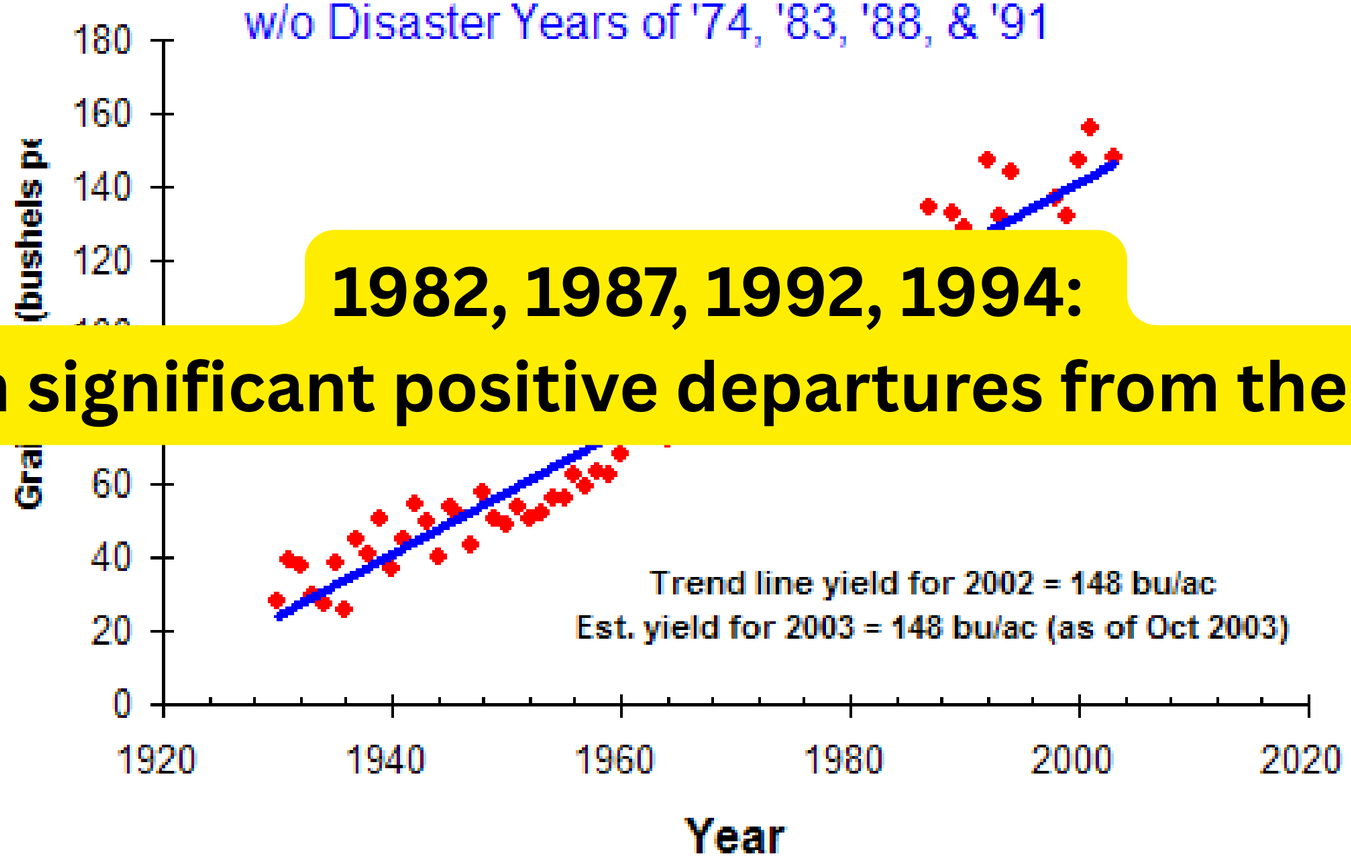
Indiana Corn Grain Yield Since 1930



Indiana Corn Grain Yield Since 1930
w/o Disaster Years of '74, '83, '88, & '91

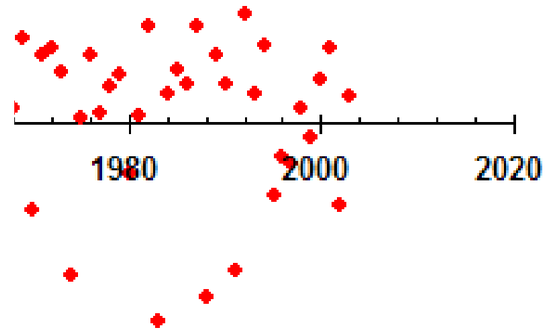
1982, 1987, 1992, 1994:

Years with significant positive departures from the yield trend.



Data Source: Indiana Agricultural Statistics Service

end Corn Yield
ince 1930



Data Source: Indiana Agricultural Statistics Service

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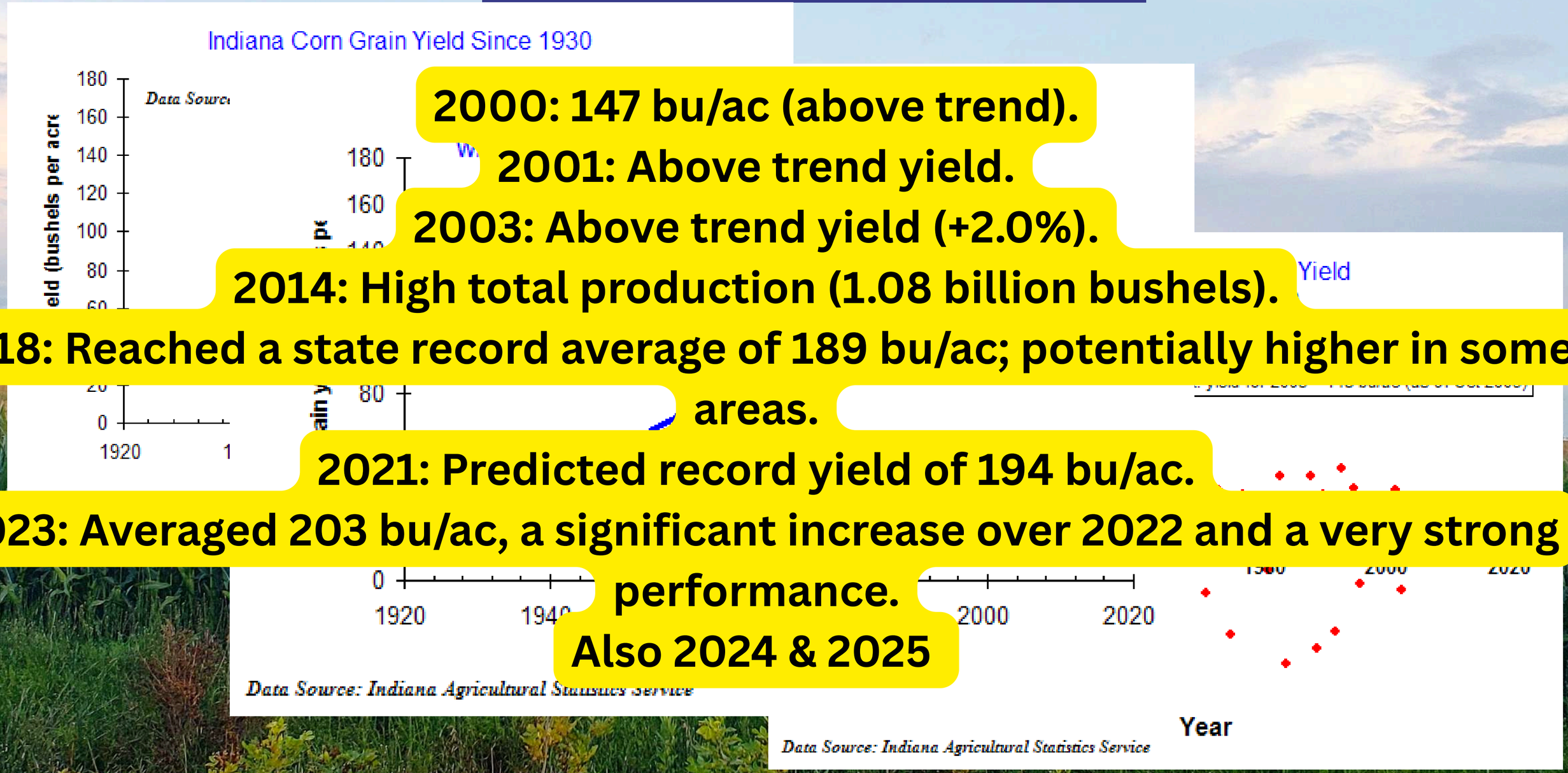

2000: 147 bu/ac (above trend).

2001: Above trend yield.

2003: Above trend yield (+2.0%).

2014: High total production (1.08 billion bushels).

2018: Reached a state record average of 189 bu/ac; potentially higher in some areas.

2021: Predicted record yield of 194 bu/ac.

2023: Averaged 203 bu/ac, a significant increase over 2022 and a very strong performance.

Also 2024 & 2025

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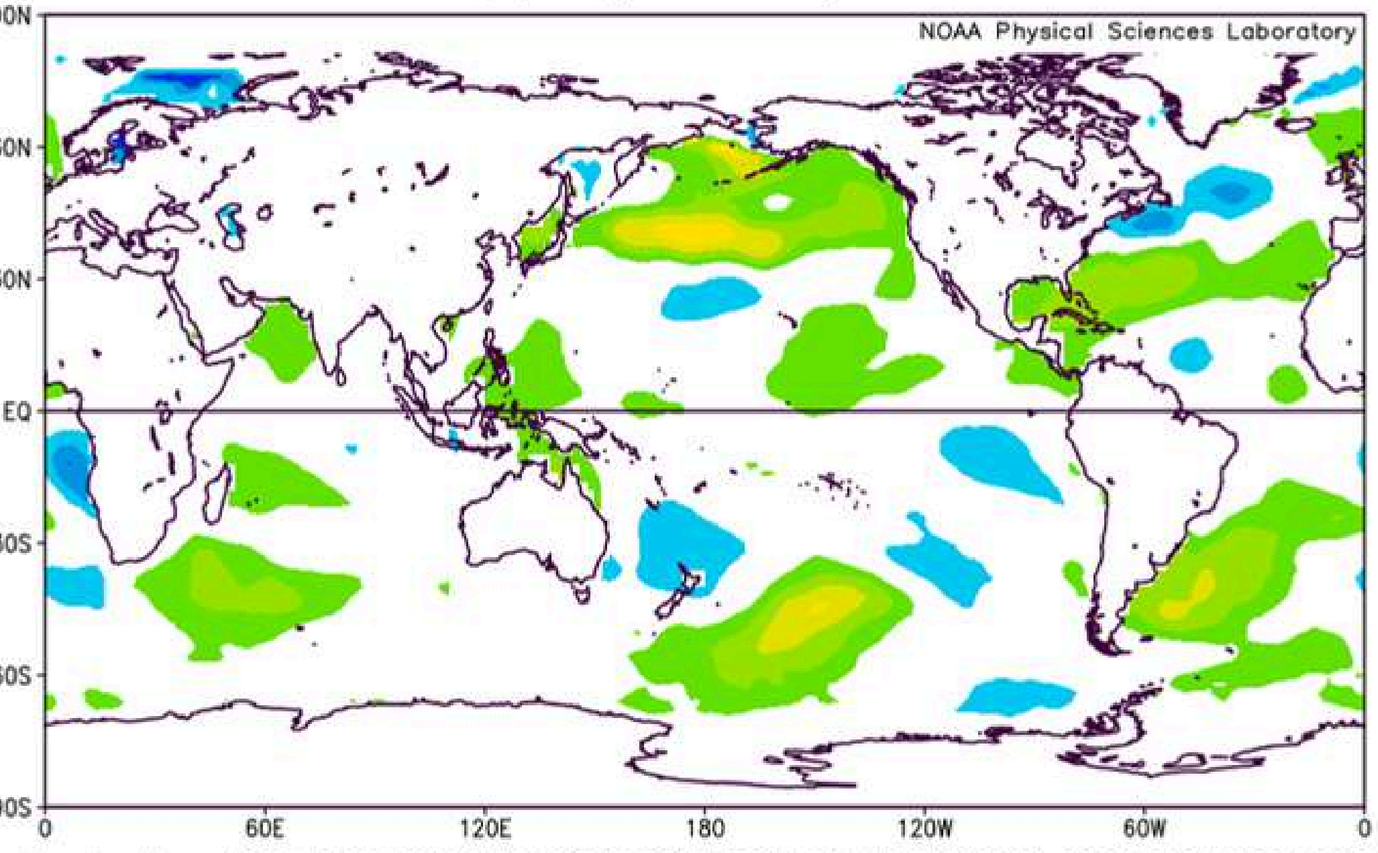
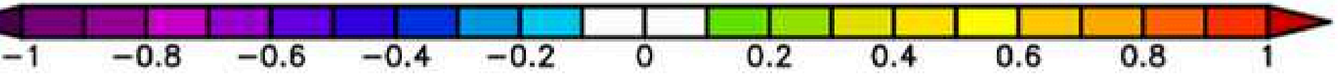
BEST YIELDS MARCH TO MAY

MAR.-MAY

NOAA Extended SST V5 (ERSST)
Surface SST (C) Composite Anomaly 1991–2020 climo

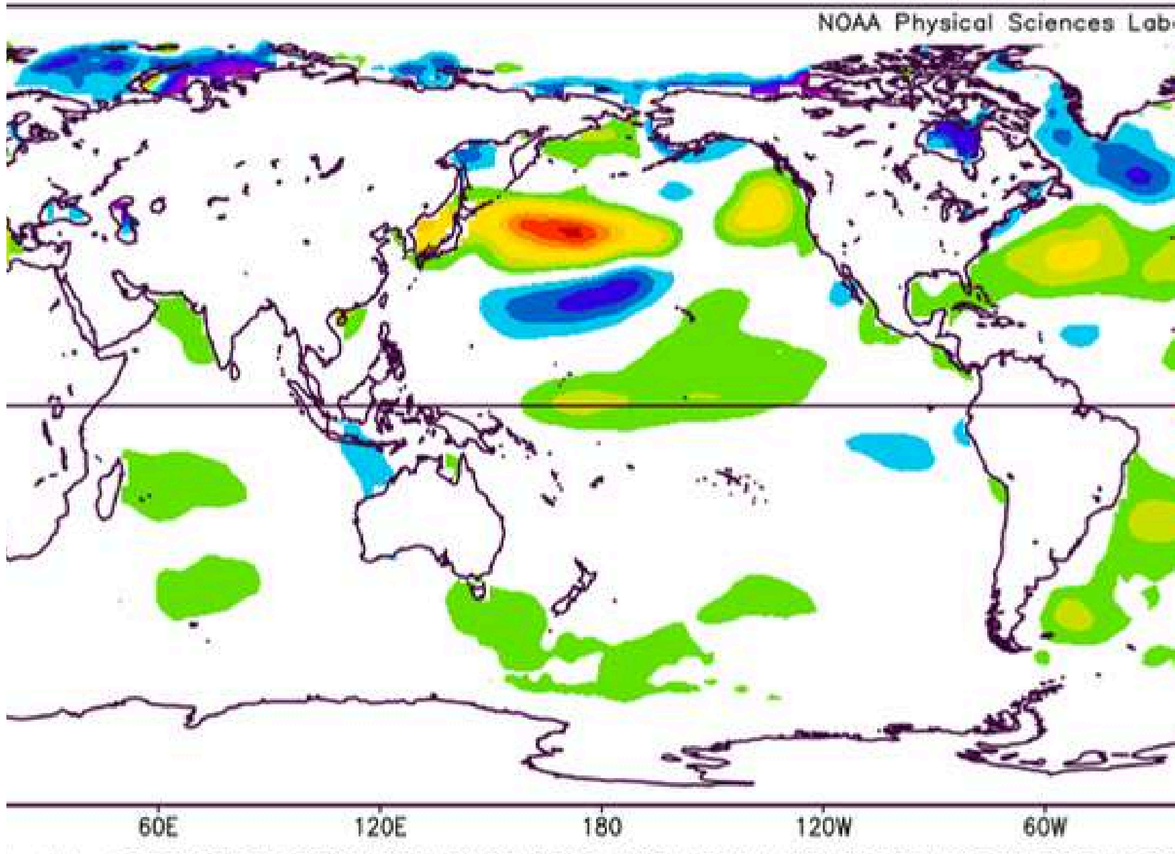


Mar to May: 1982,1987,1992,1994,2000,2003,2004,2014,2018,2021,2023,2024,2025,2003

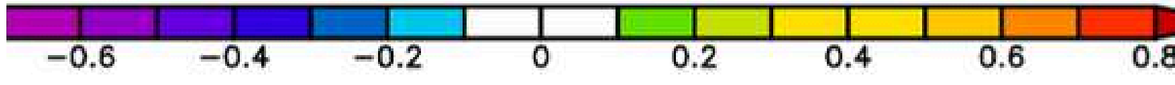


MAY-JULY

NOAA Extended SST V5 (ERSST)
Surface SST (C) Composite Anomaly 1991–2020 climo



o Jul: 1982,1987,1992,1994,2000,2003,2004,2014,2018,2021,2023,2024,202



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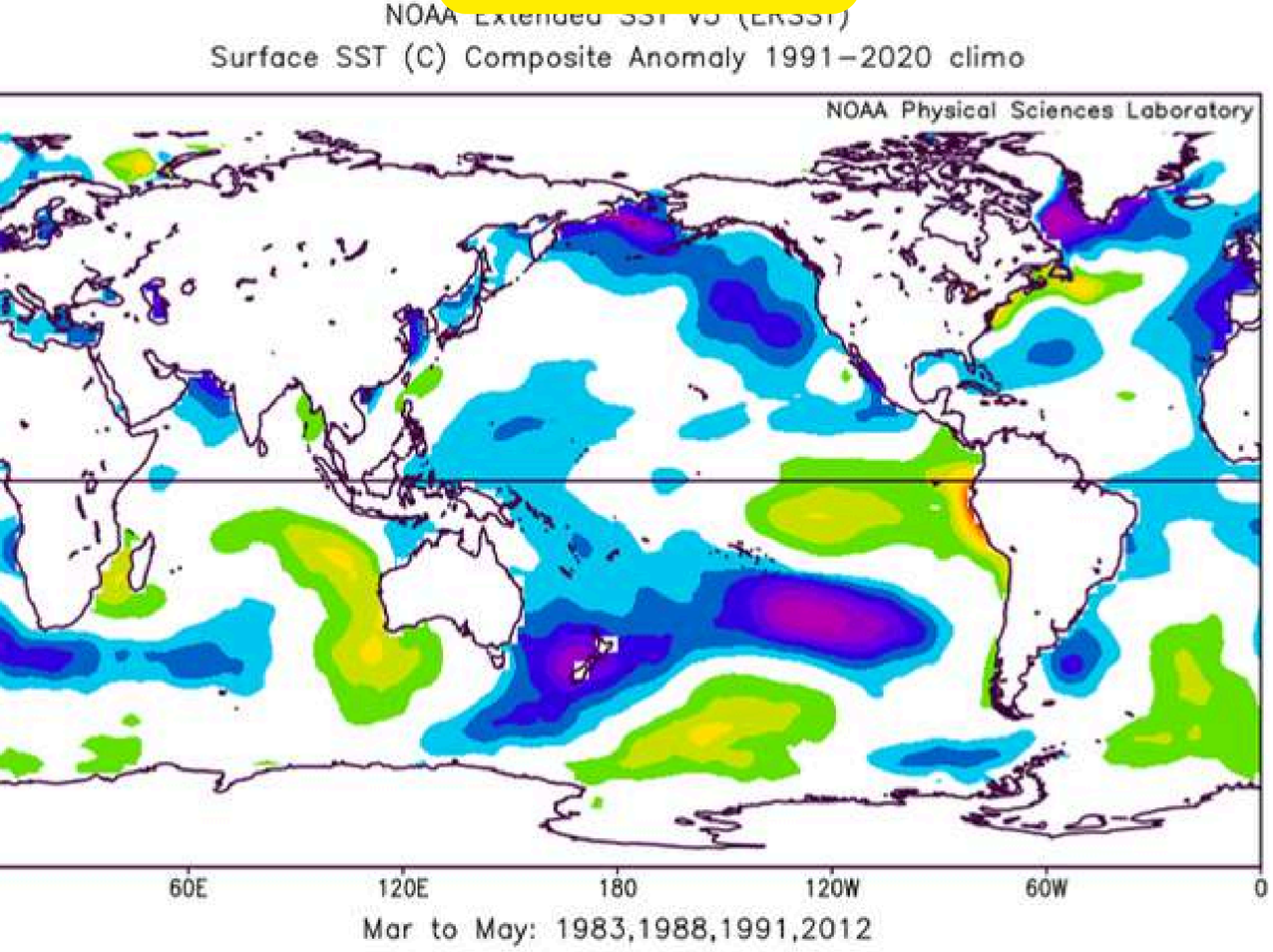
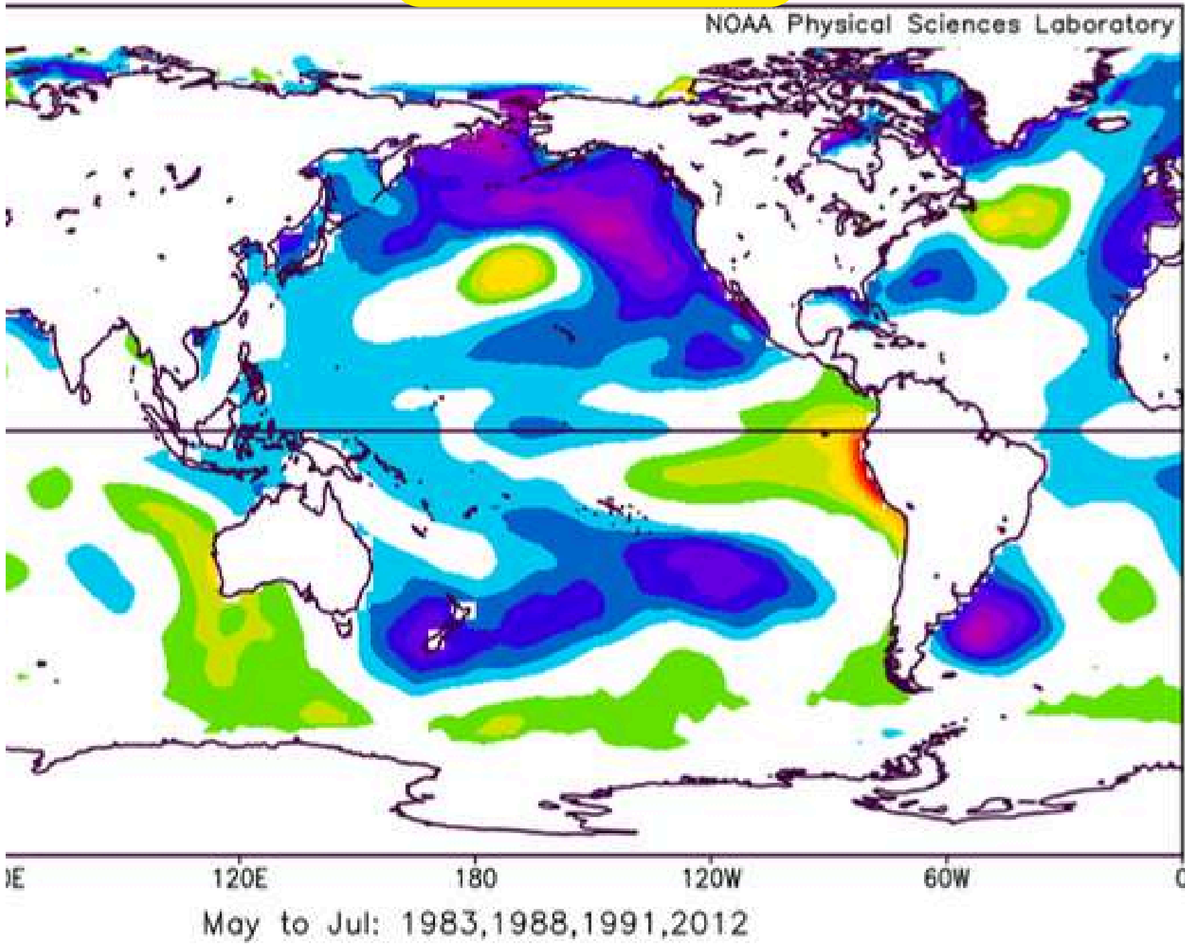
WORST YIELDS MARCH TO MAY

MAR.-MAY



MAY-JULY



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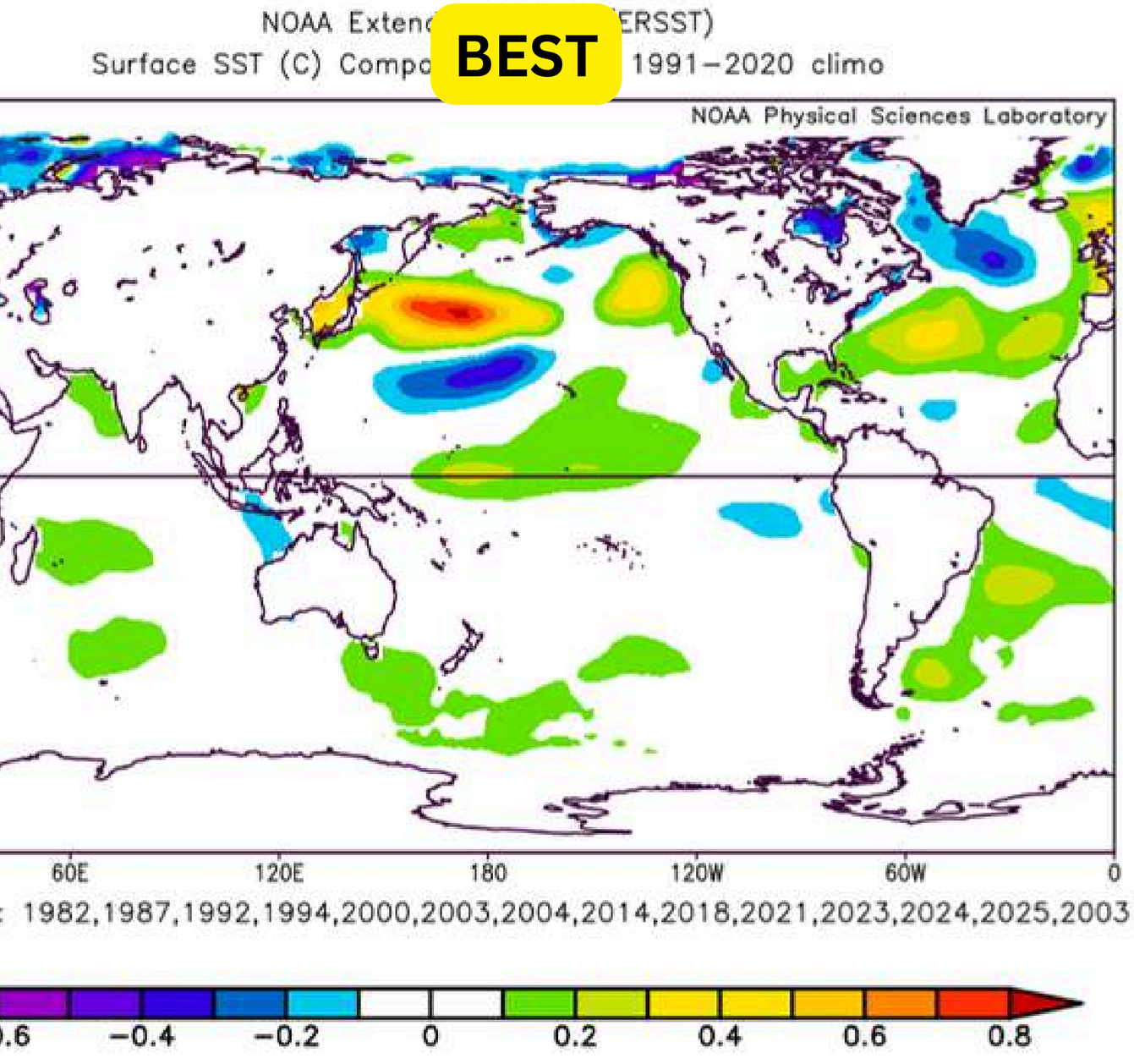
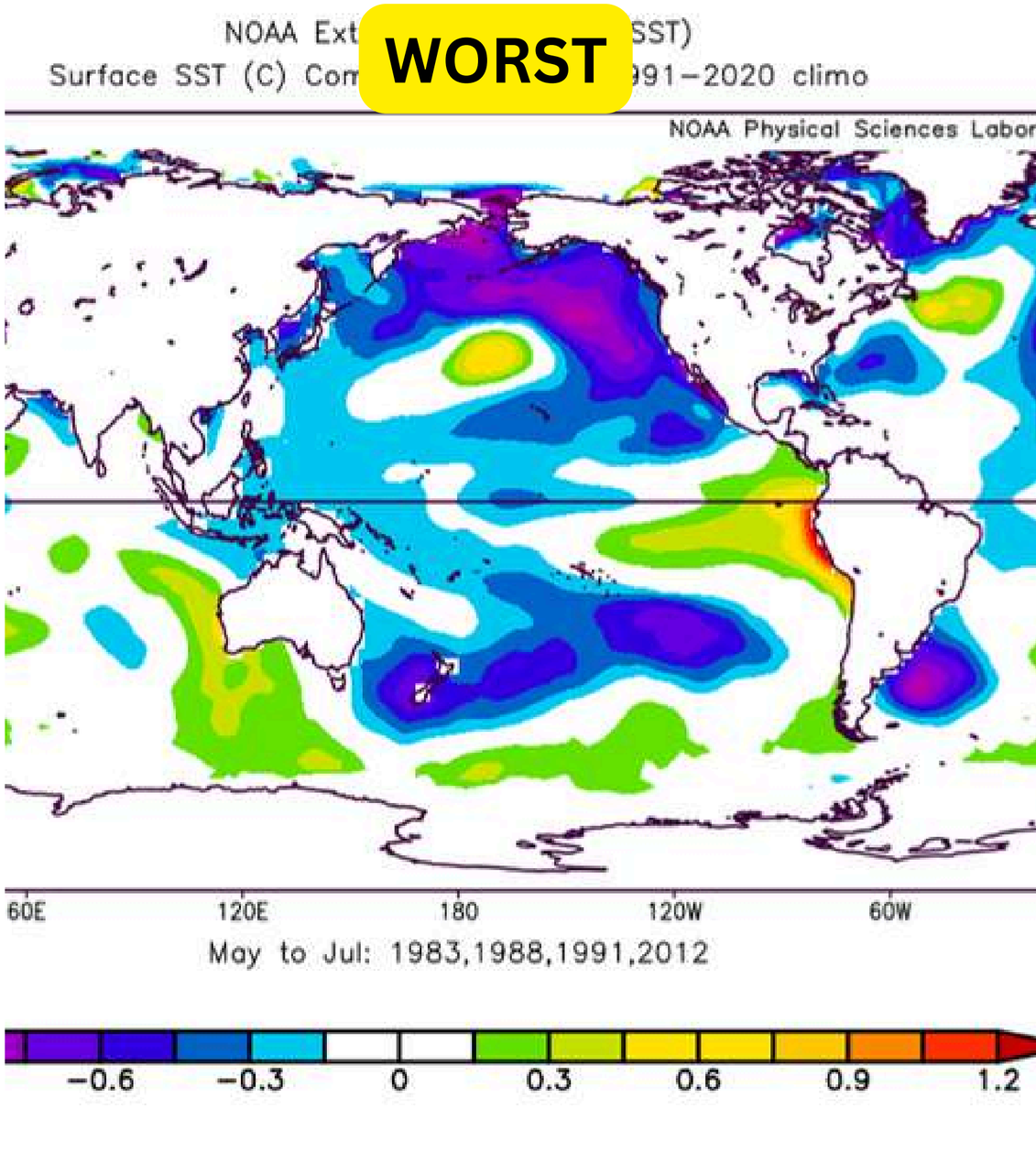
WORST YIELDS
MAY TO JULY

BEST



WORST



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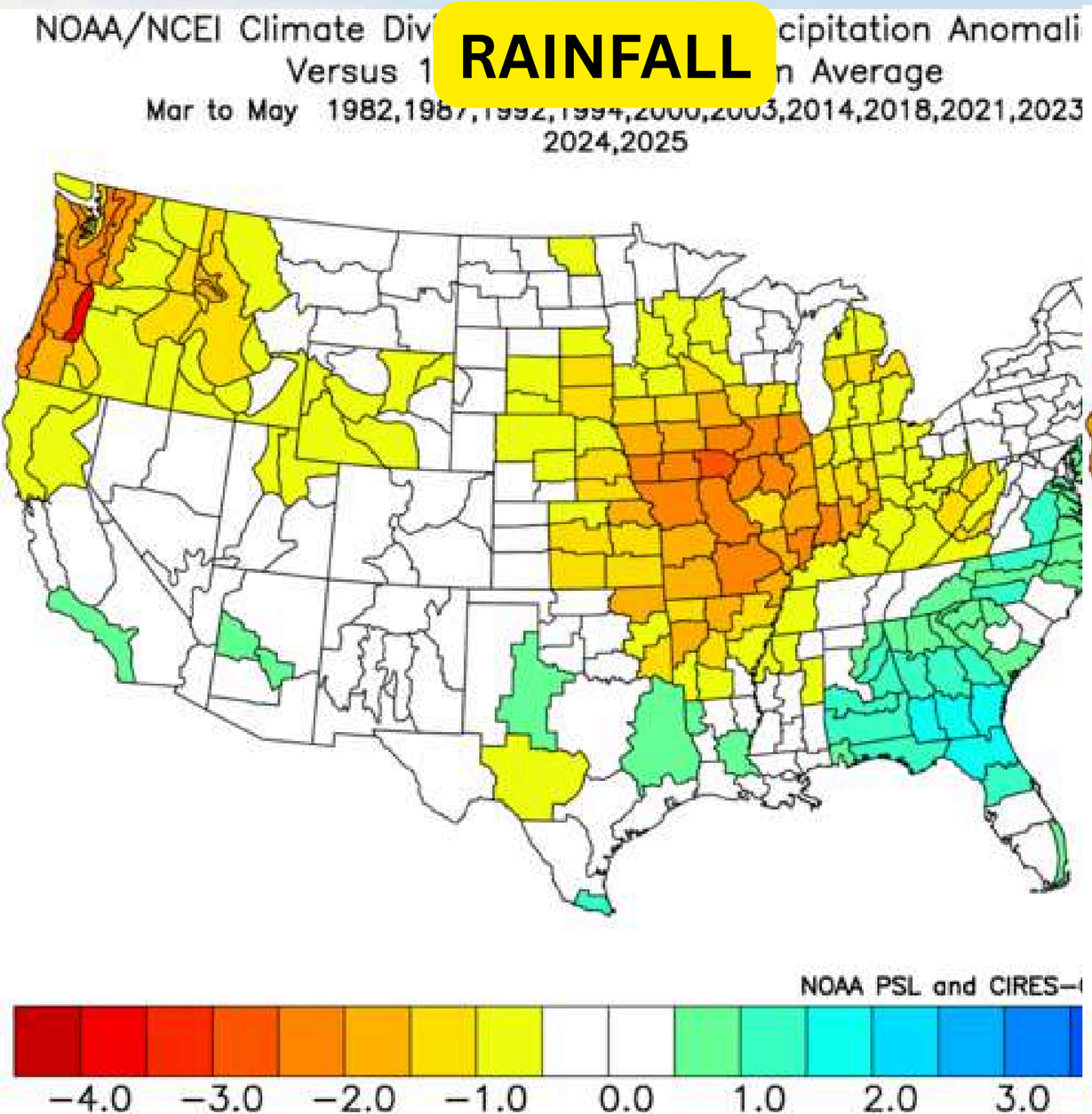
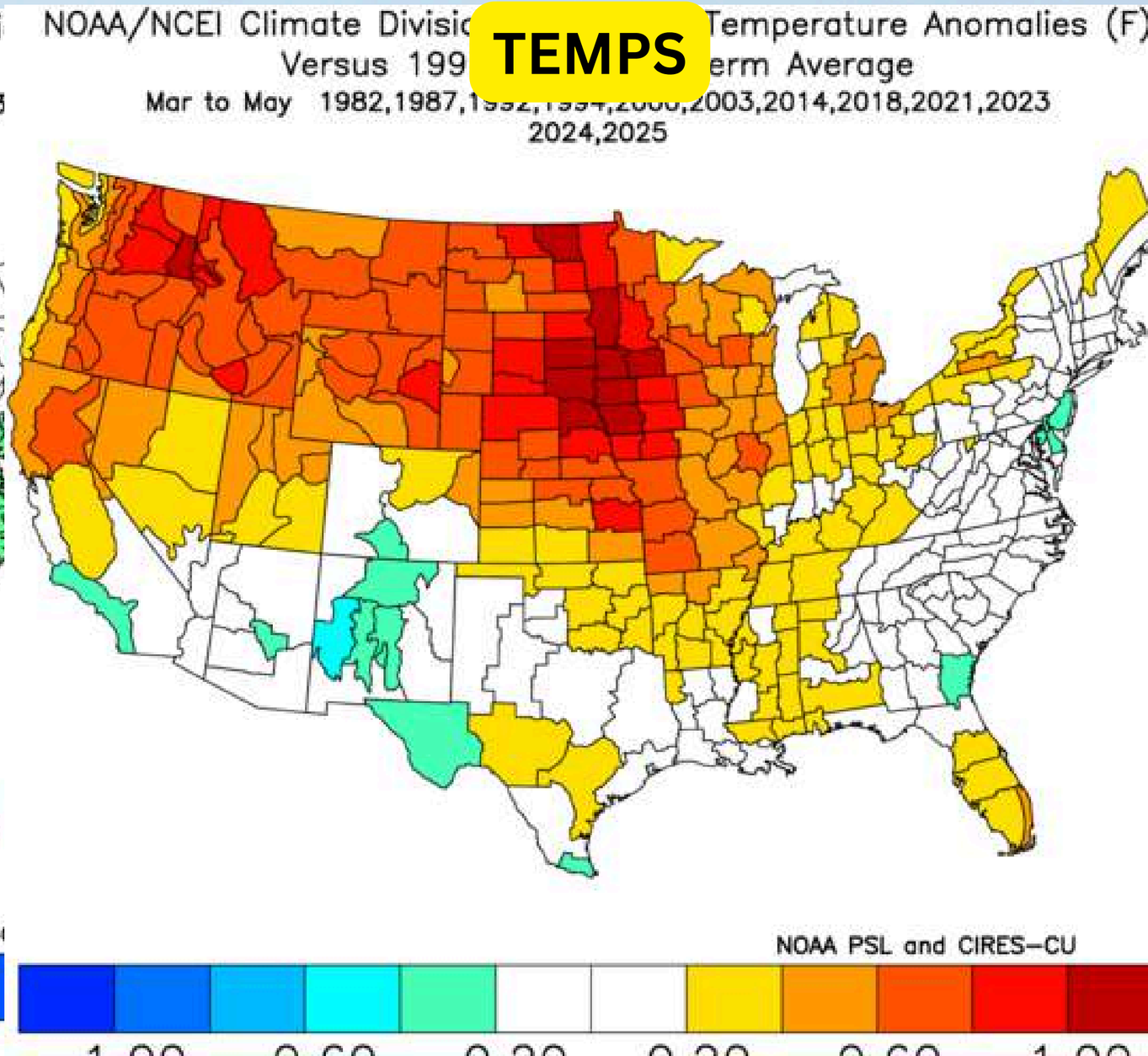
BEST YIELDS
SPRING

RAINFALL



TEMPS



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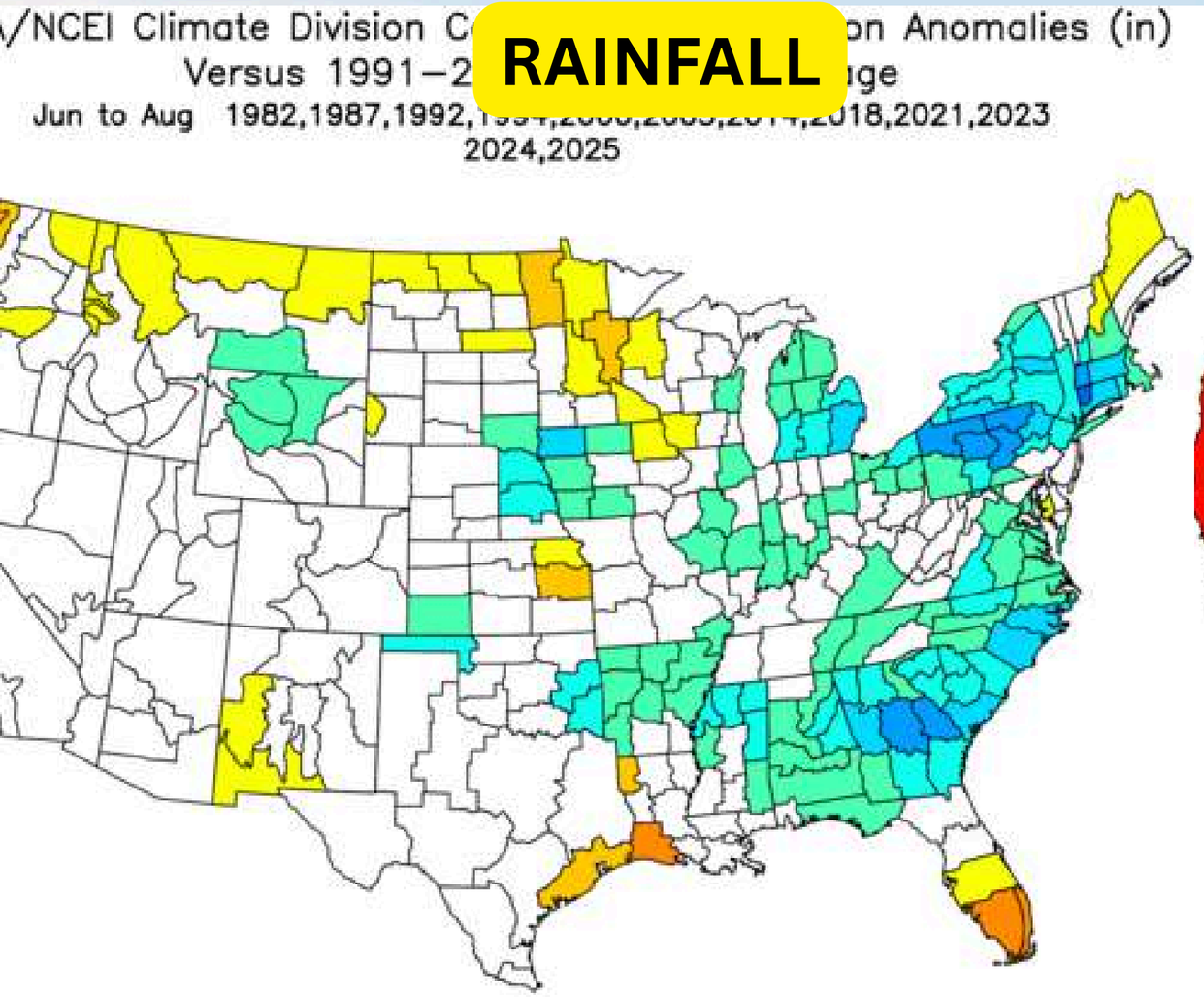
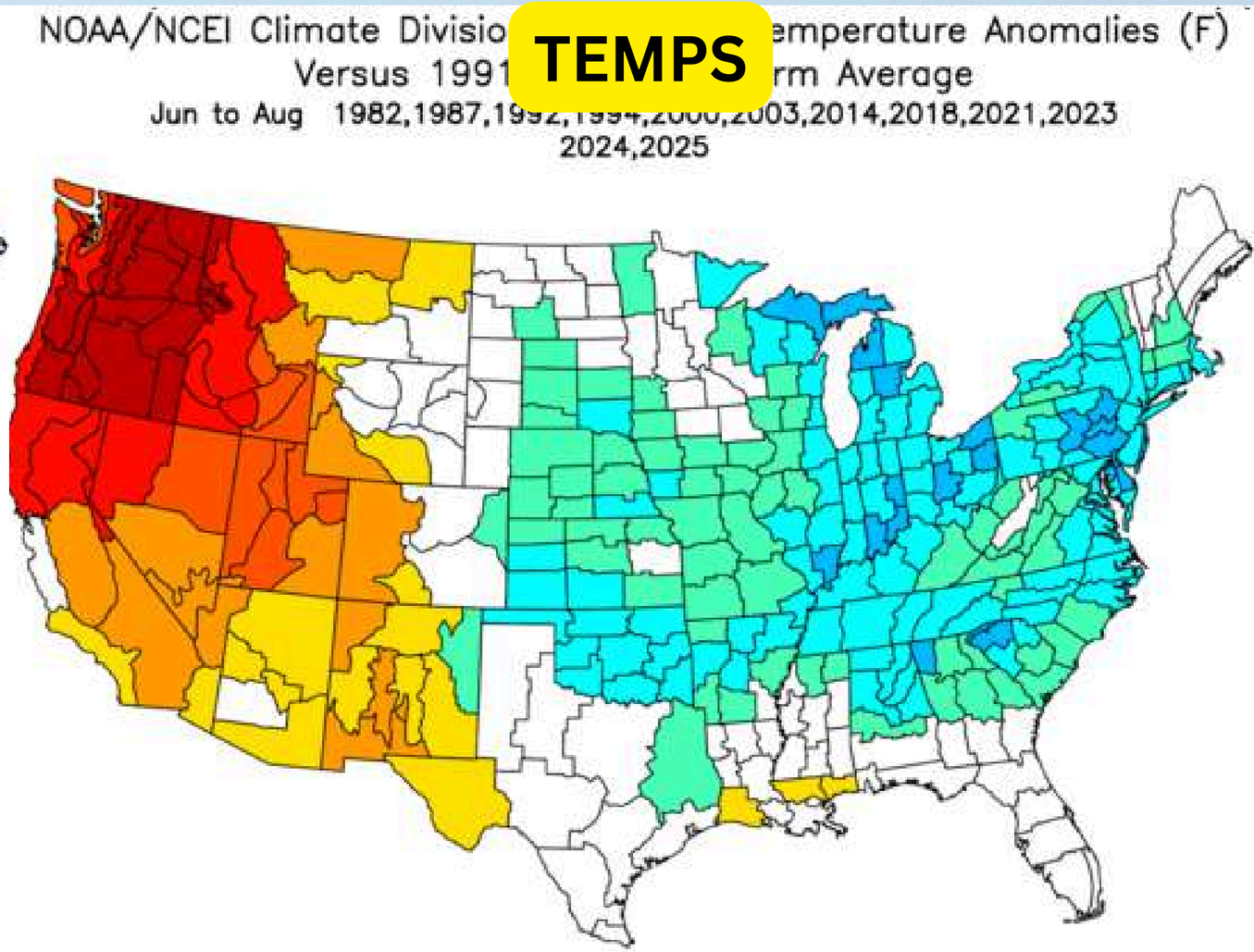
BEST YIELDS SUMMER

RAINFALL



TEMPS



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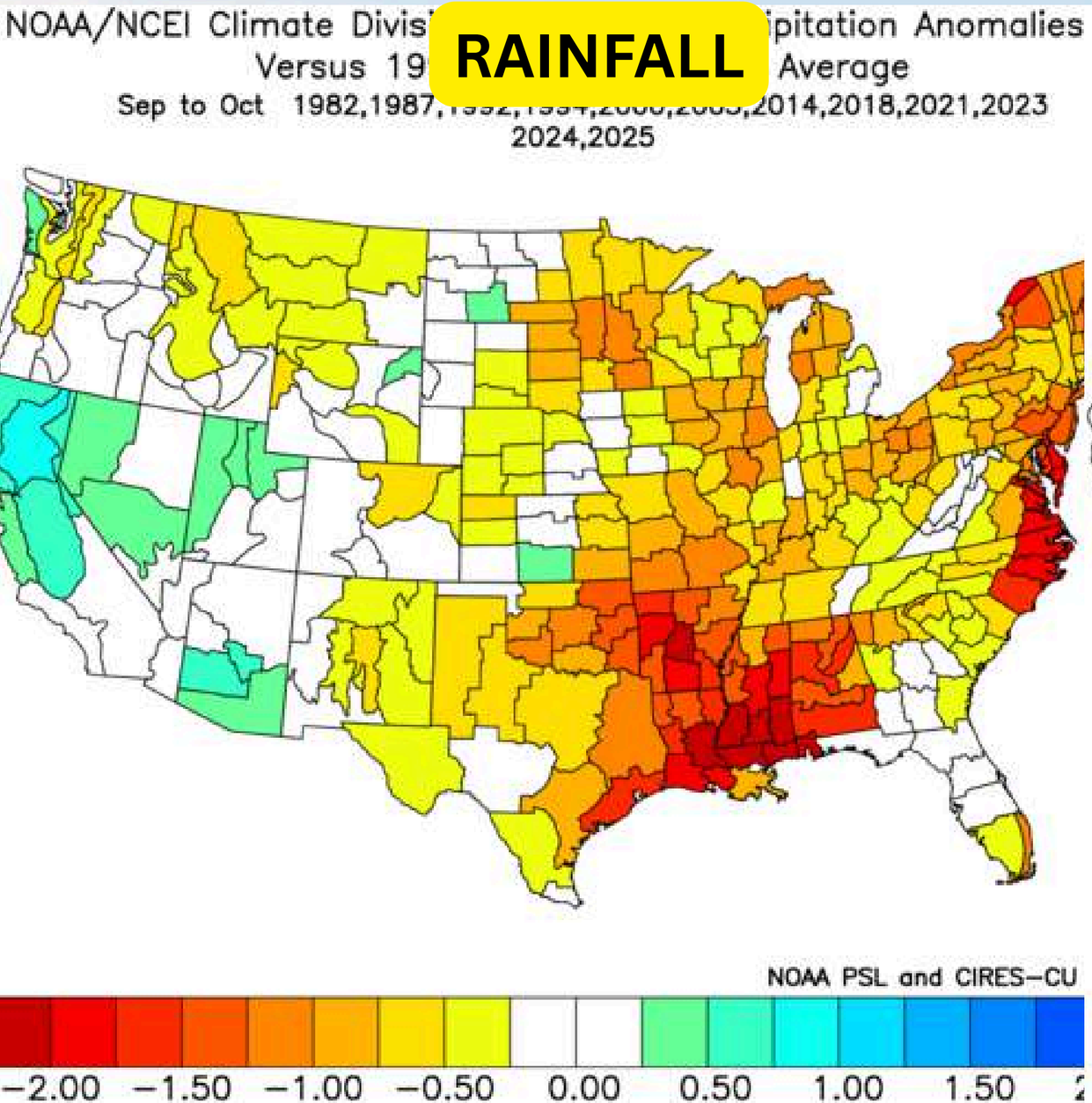
BEST YIELDS
FALL

RAINFALL



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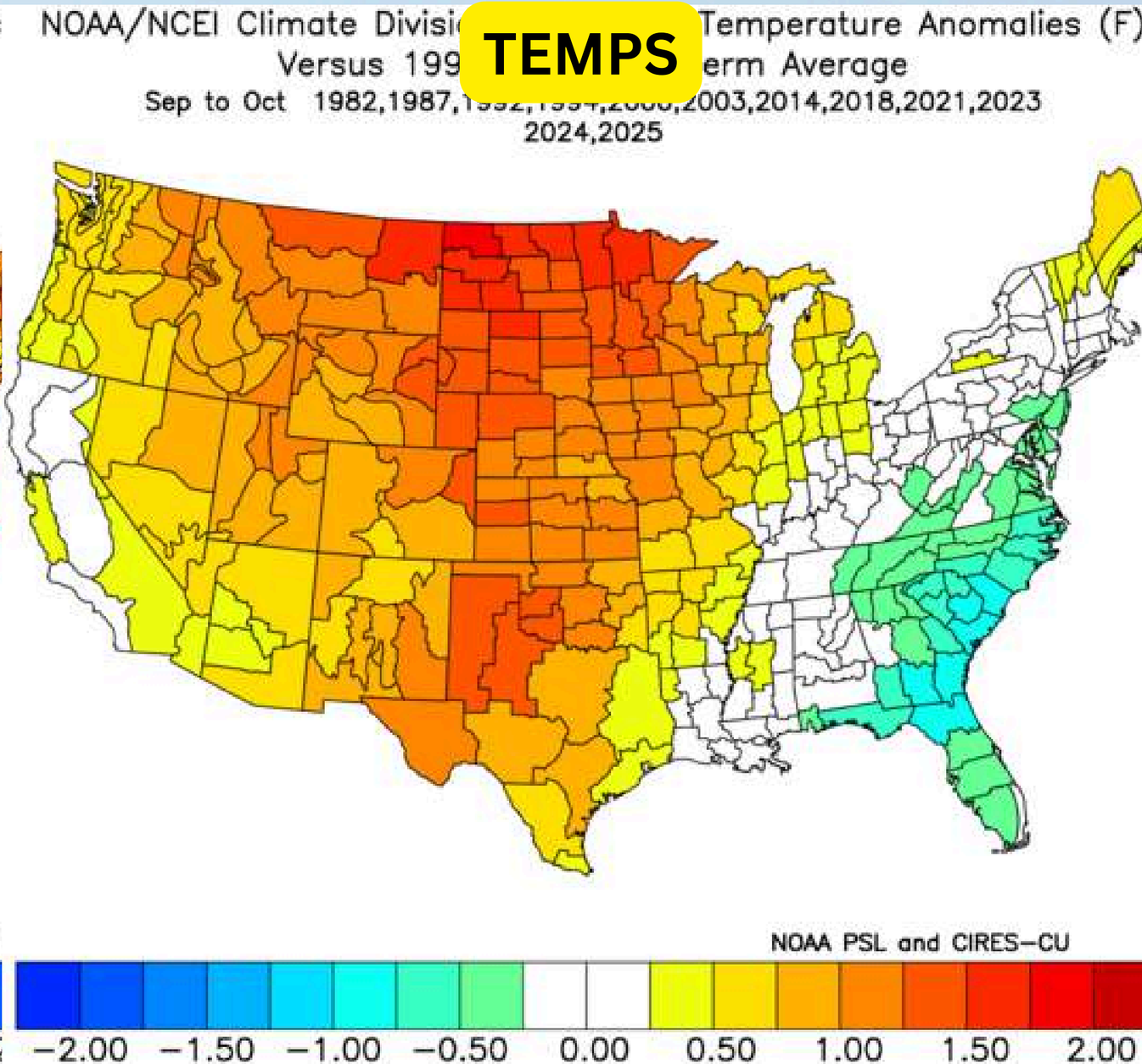

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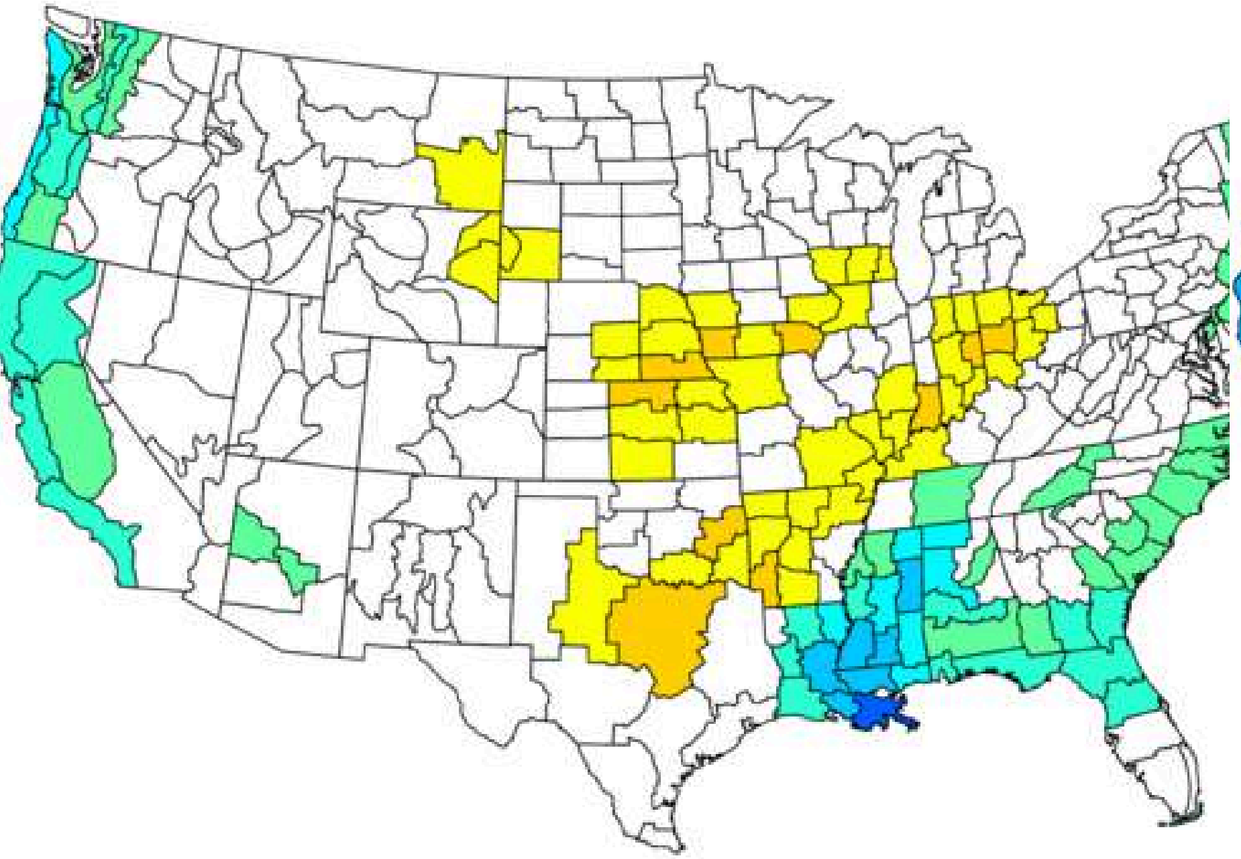
WORST YIELDS SPRING

RAINFALL

NOAA/NCEI Climate Divi cipitation Anomalie
Mar to May 1 994,1991,2012
Versus 1991–2020 Longterm Average

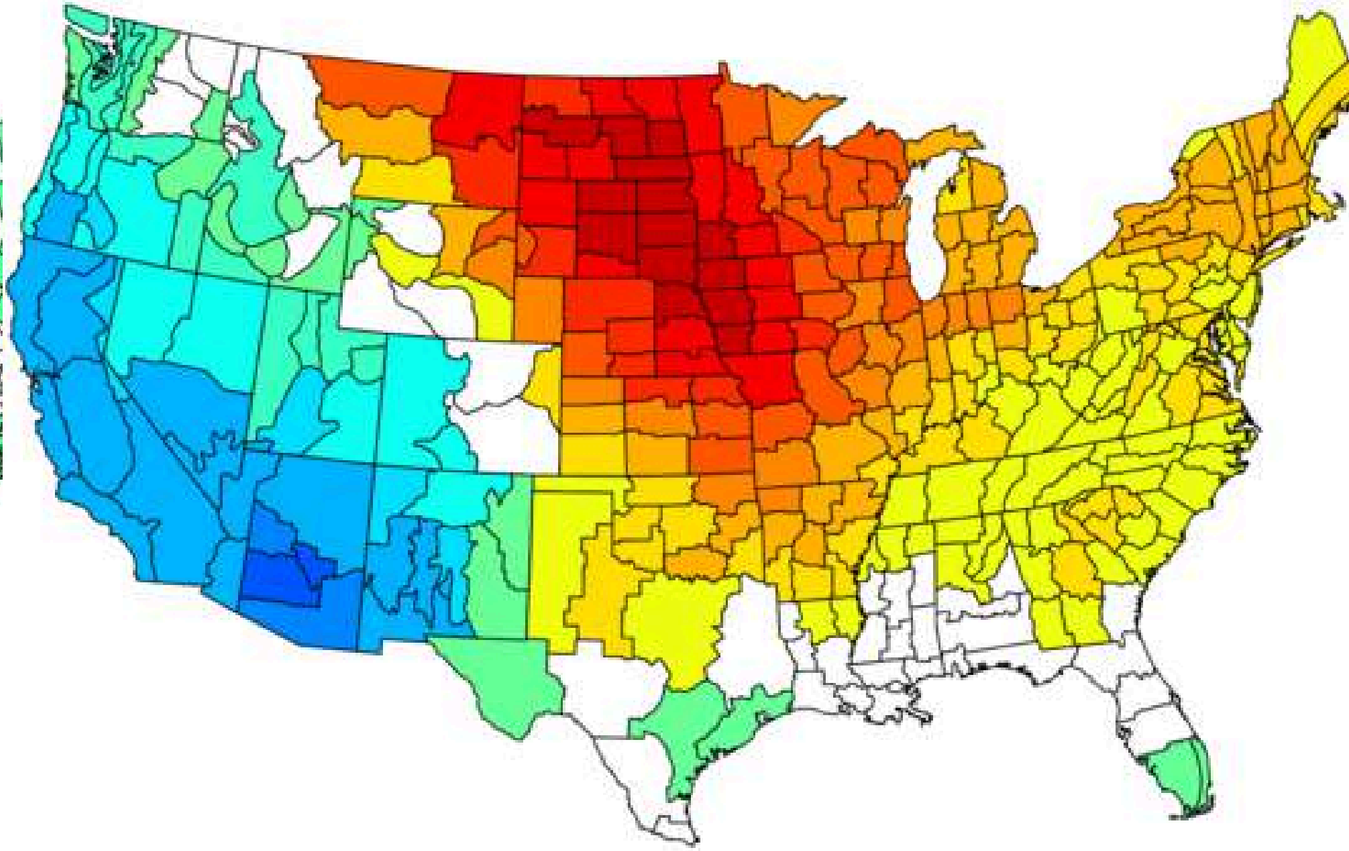


NOAA PSL and CIRES–C

−7.0 −5.0 −3.0 −1.0 1.0 3.0 5.0

TEMPS

NOAA/NCEI Climate Divisio Temperature Anomalies (F)
Mar to May 19 ,1994,1991,2012
Versus 1991–2020 Longterm Average



NOAA PSL and CIRES–CU

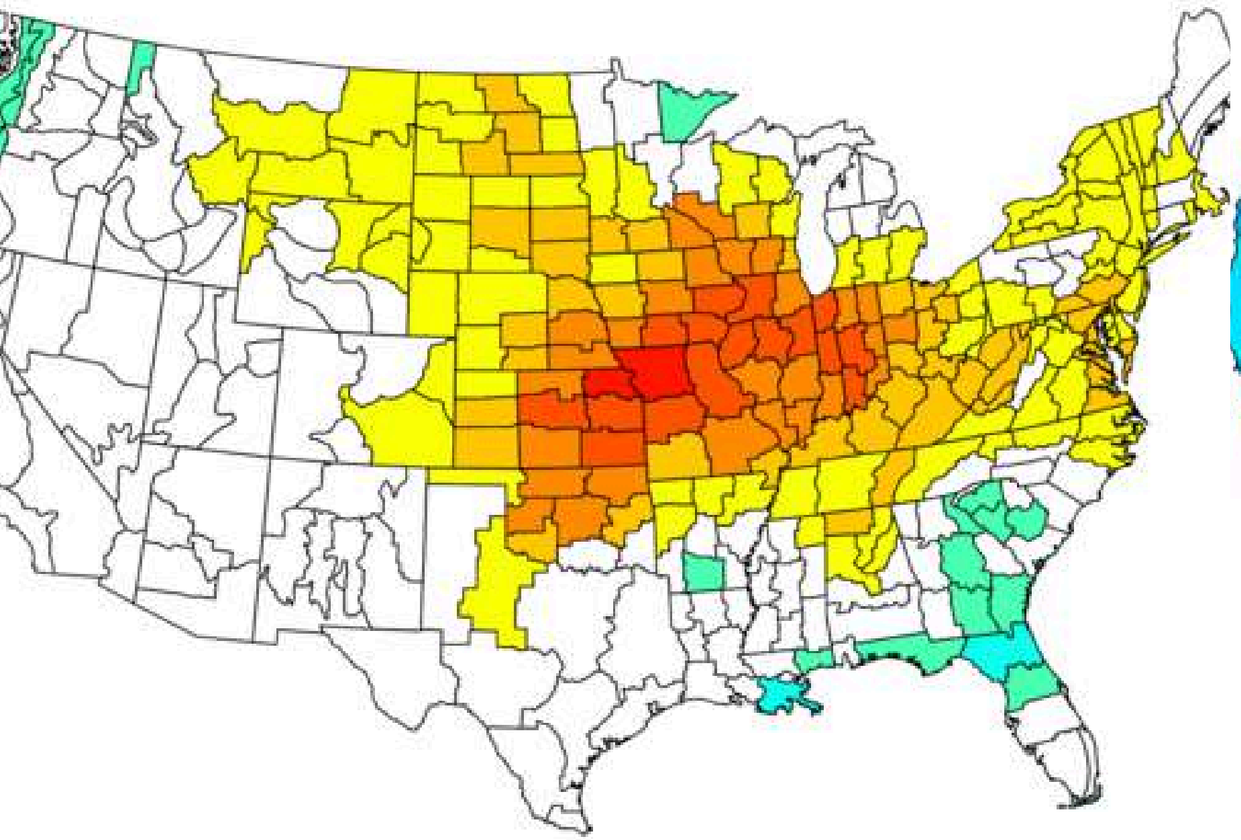
−2.00 −1.50 −1.00 −0.50 0.00 0.50 1.00 1.50 2.00

CHAD EVANS WEATHER LLC
ALWAYS FIRST. ALWAYS LOCAL.

WORST YIELDS SUMMER

RAINFALL

AA/NCEI Climate Division tion Anomalies (in)
Jun to Aug 1974 991,2012
Versus 1991–2020 Longterm Average

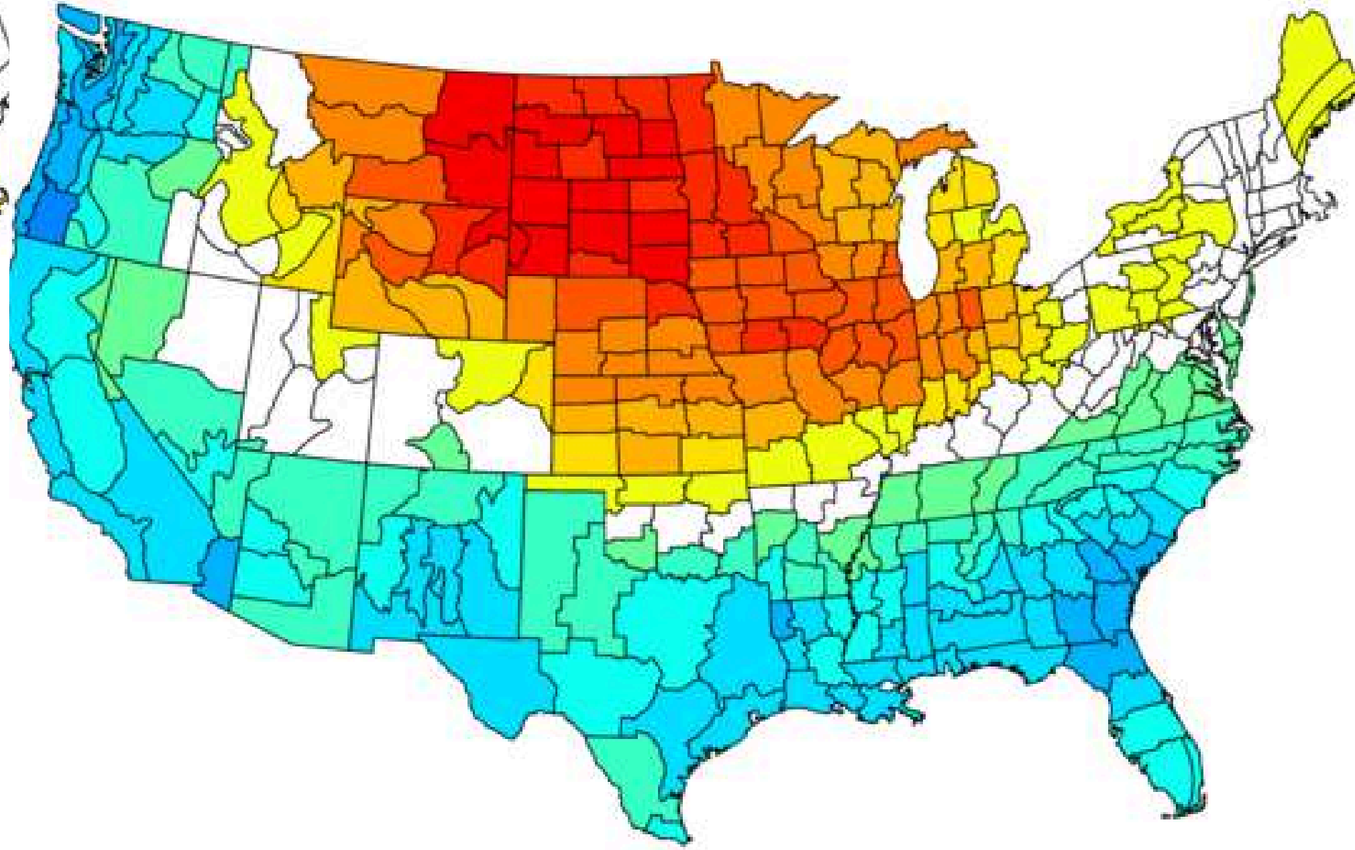


NOAA PSL and CIRES–CU

-6.0 −4.0 −2.0 0.0 2.0 4.0 6.0

TEMPS

NOAA/NCEI Climate Divisio emperature Anomalies (F)
Jun to Aug 197 1994,1991,2012
Versus 1991–2020 Longterm Average



NOAA PSL and CIRES–CU

−2.00 −1.50 −1.00 −0.50 0.00 0.50 1.00 1.50 2.00

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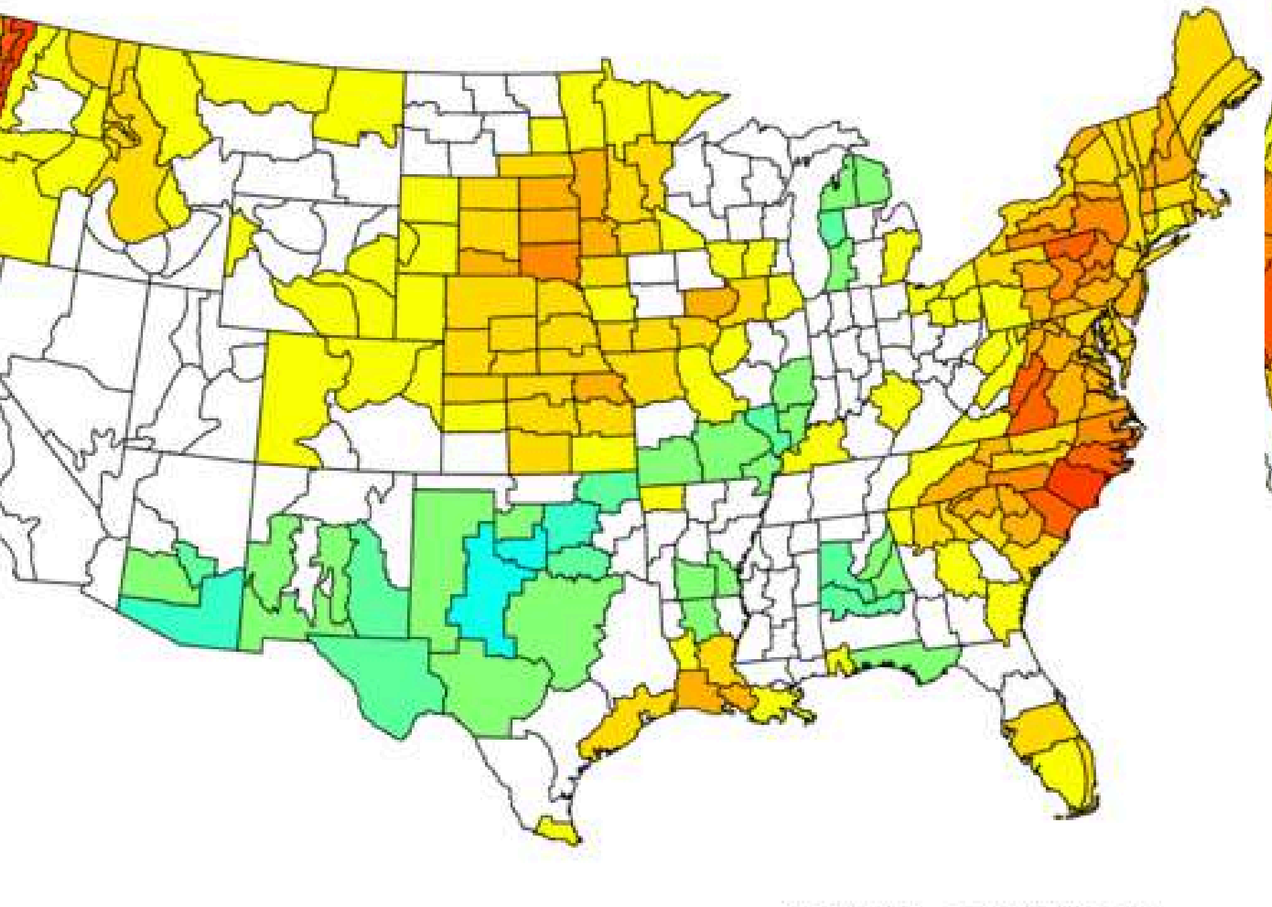
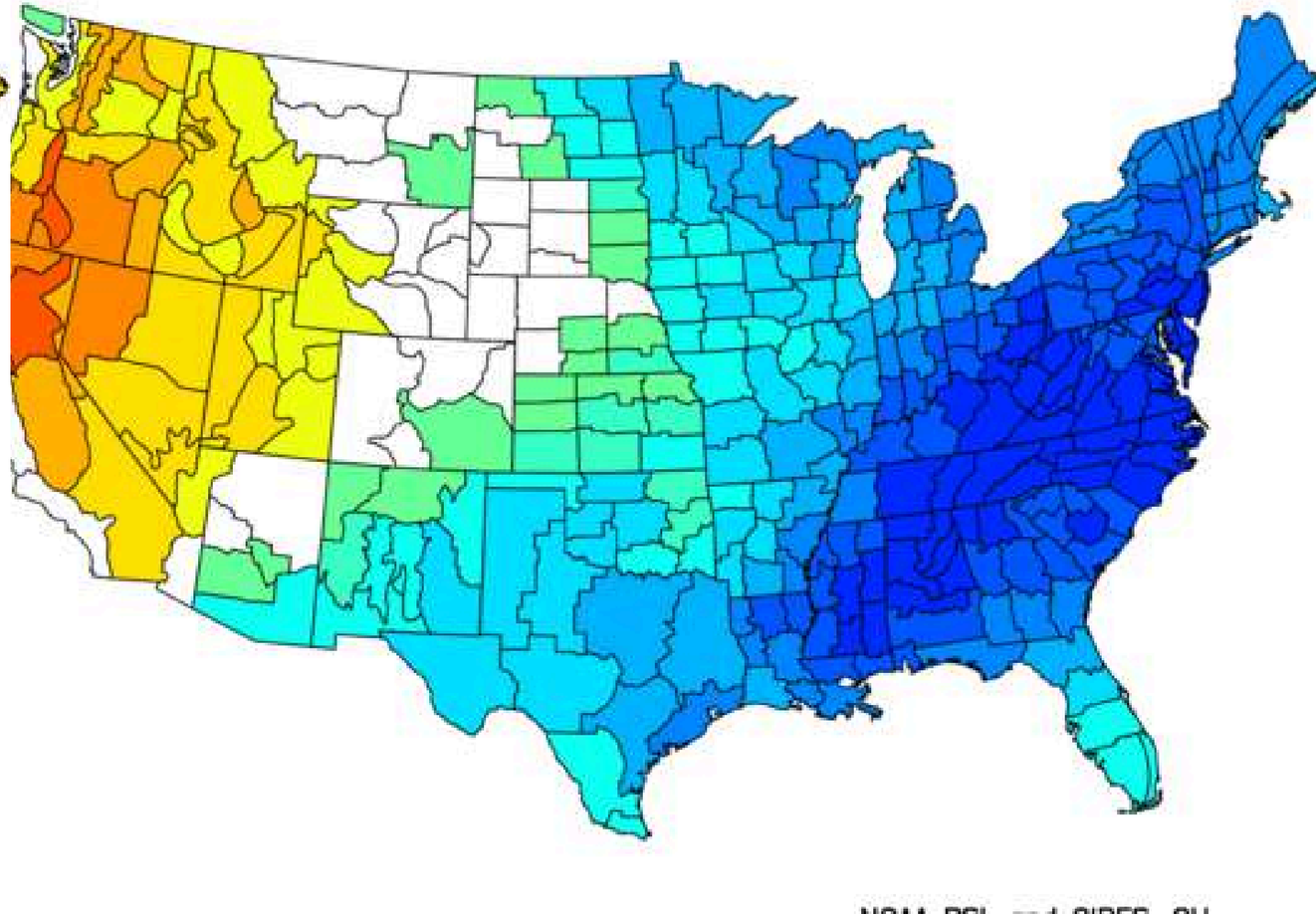
ALWAYS FIRST. ALWAYS LOCAL.

WORST YIELDS FALL

RAINFALL



TEMPS



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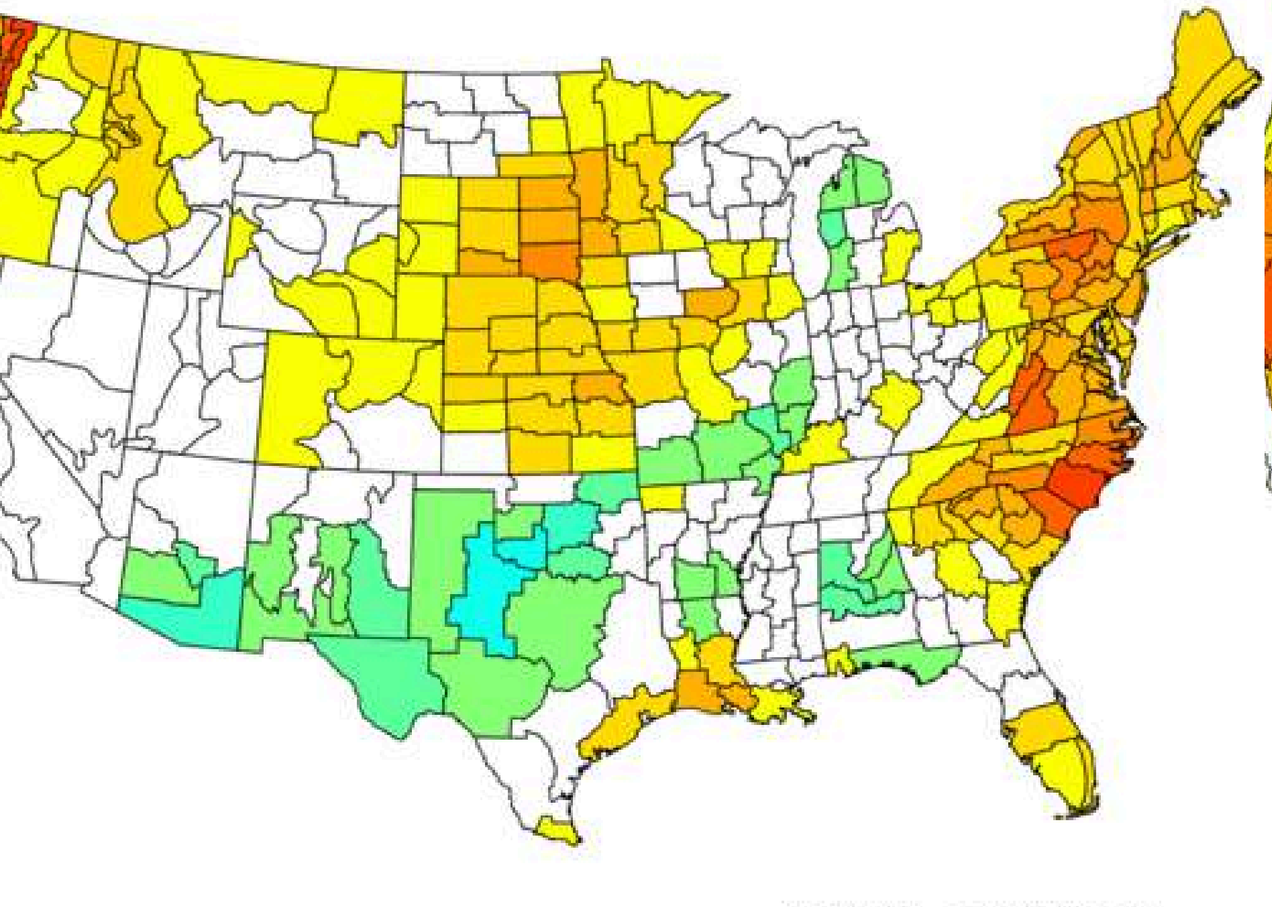
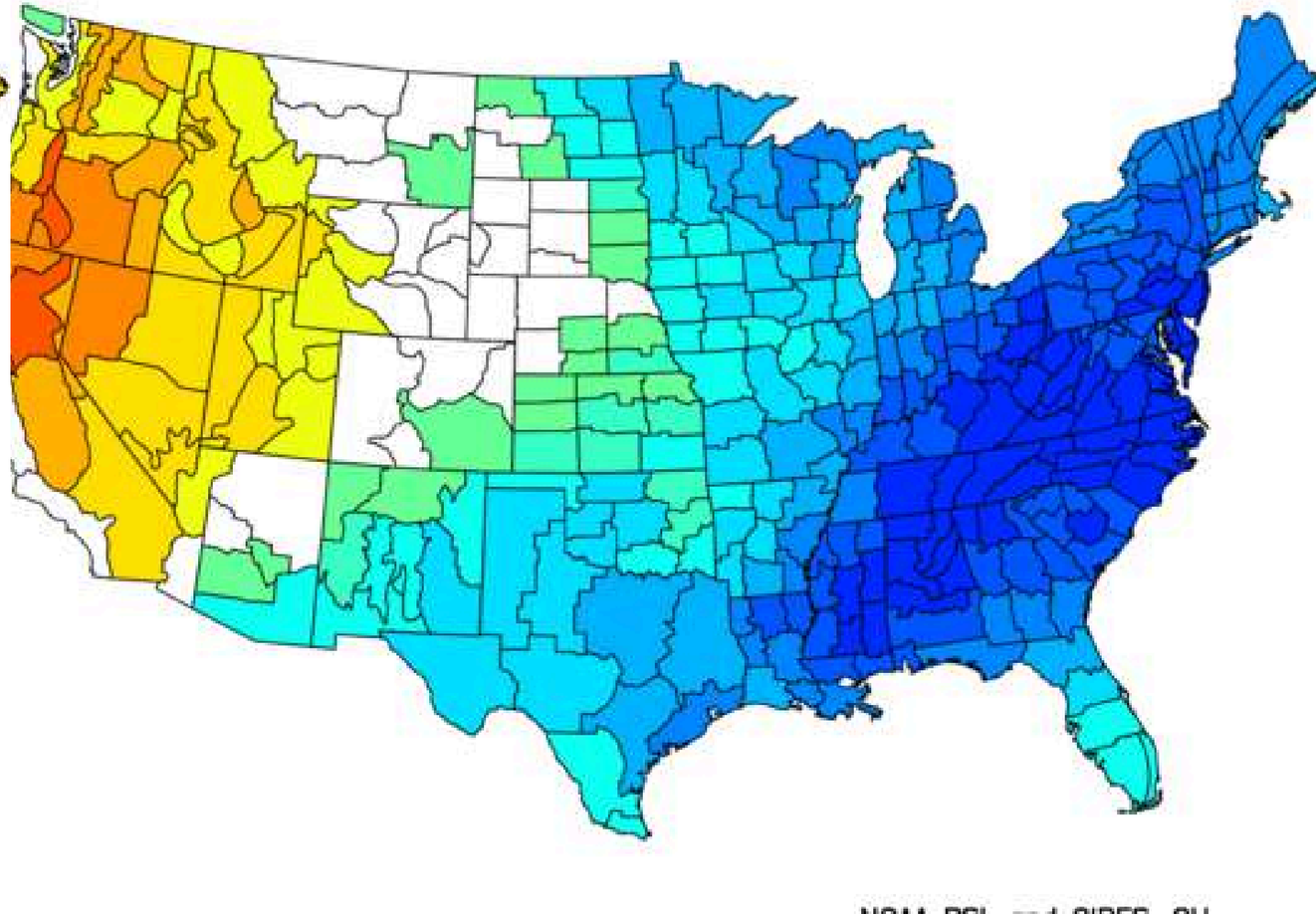
WORST YIELDS FALL

RAINFALL



TEMPS



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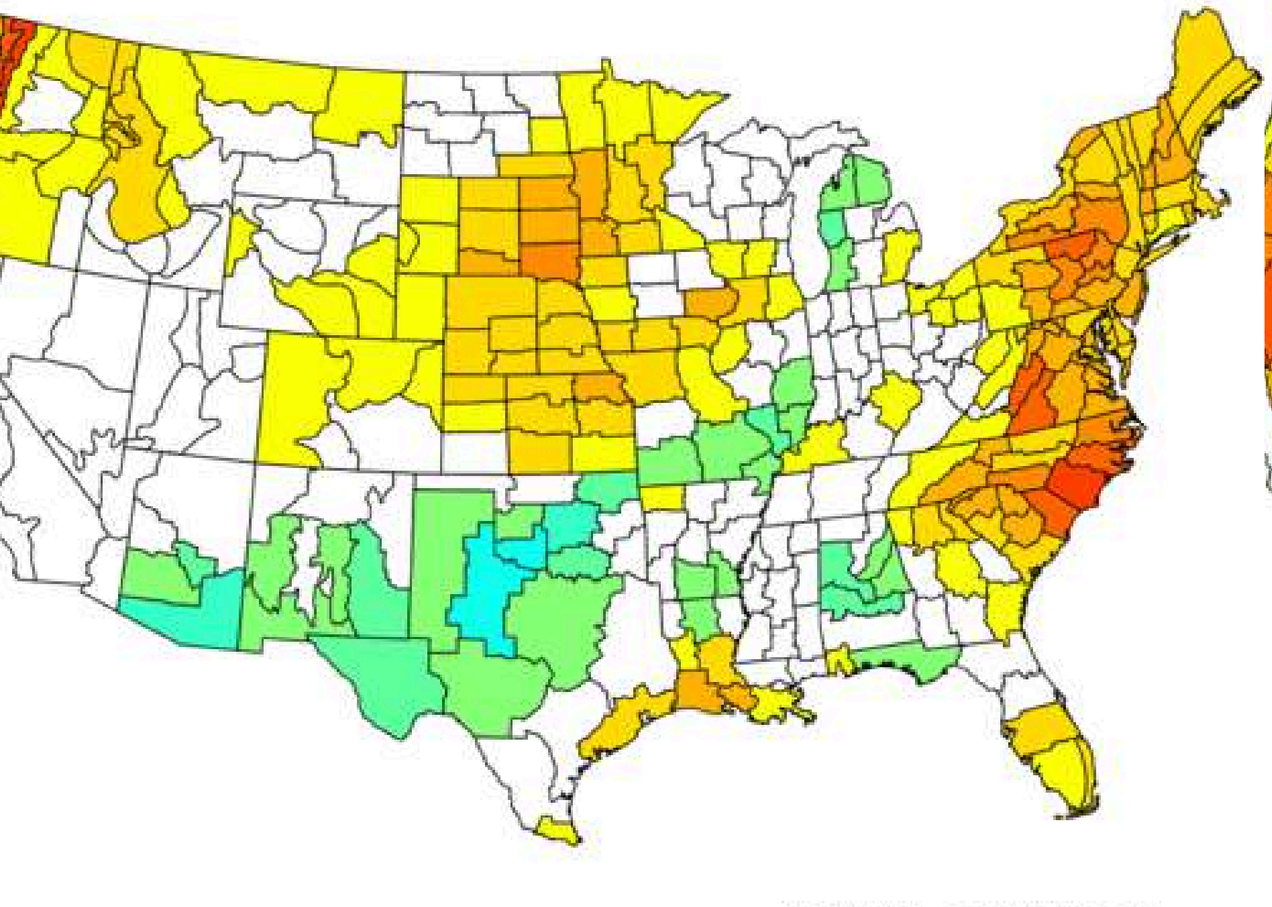
WORST YIELDS FALL

RAINFALL



TEMPS