



Weather! What the heck is going on?

Don't get too worried




-Elephant in room
-This coming year

Don't get too worried



- "Climate change" is dumb
- Should still be Global Warming

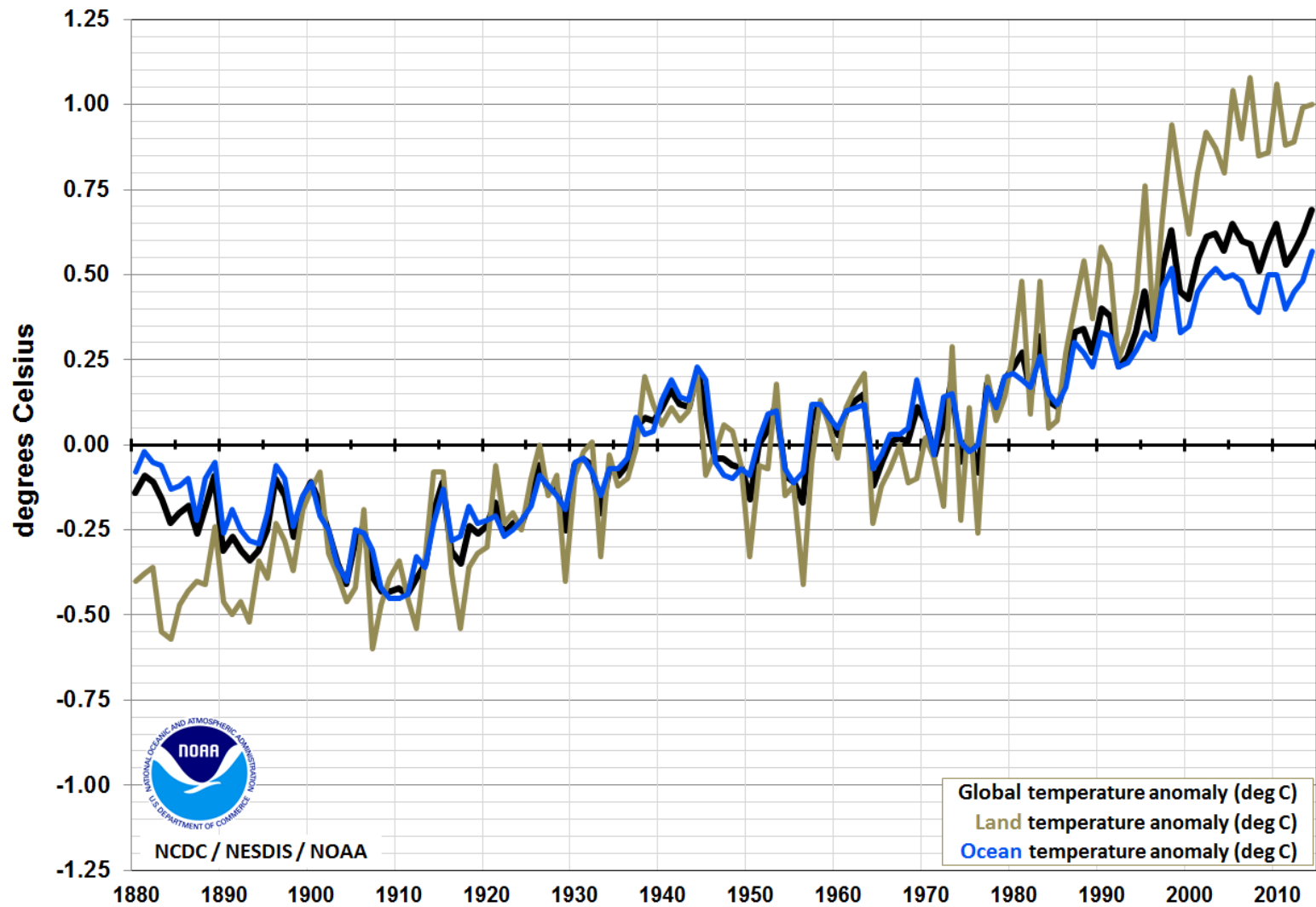
Elephant in room – "Climate change"



Is the climate changing at an accelerated pace due to human activity? That should be the question!

Elephant in room – “Climate change”

Annual Global Temperature (Land, Ocean, and Combined)



Annual Global Temperature



- Heat is energy
- Energy turns into precipitation

Global Warming



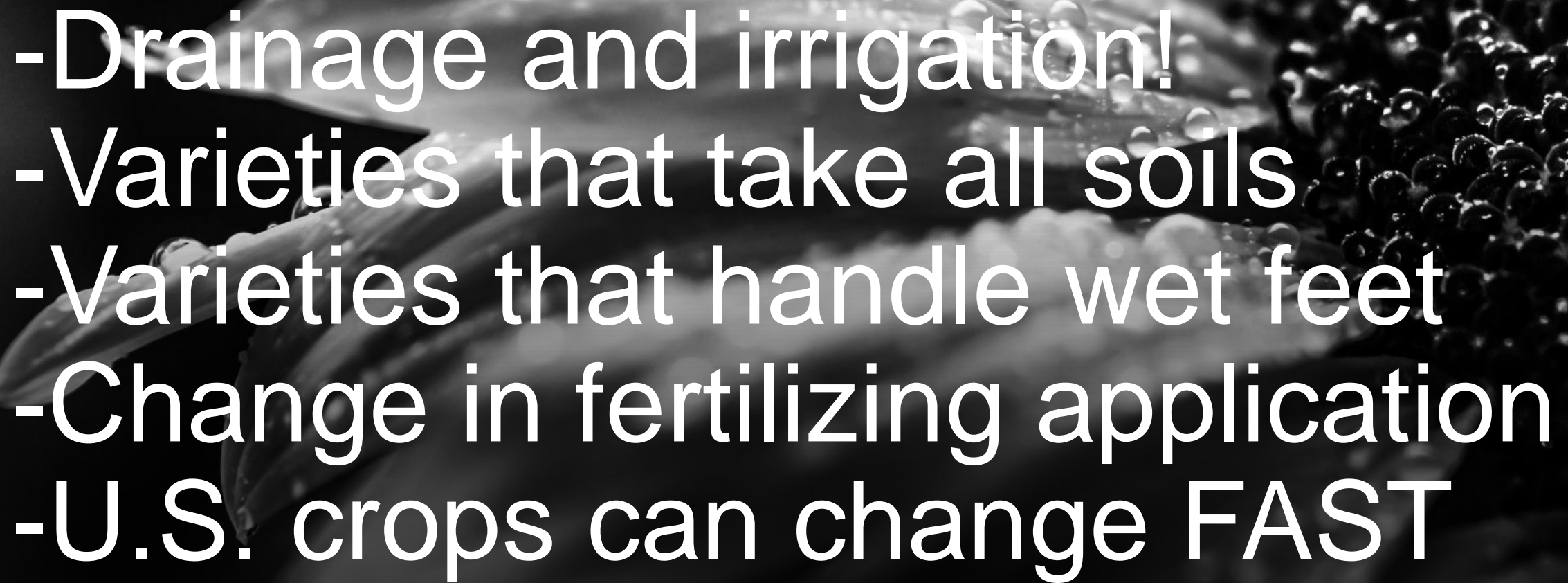
- Heavier precip
- Faster dry-outs

Global Warming




-Your defense?
-Protect against volatility

Global Warming

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- Drainage and irrigation!
 - Varieties that take all soils
 - Varieties that handle wet feet
 - Change in fertilizing application
 - U.S. crops can change FAST

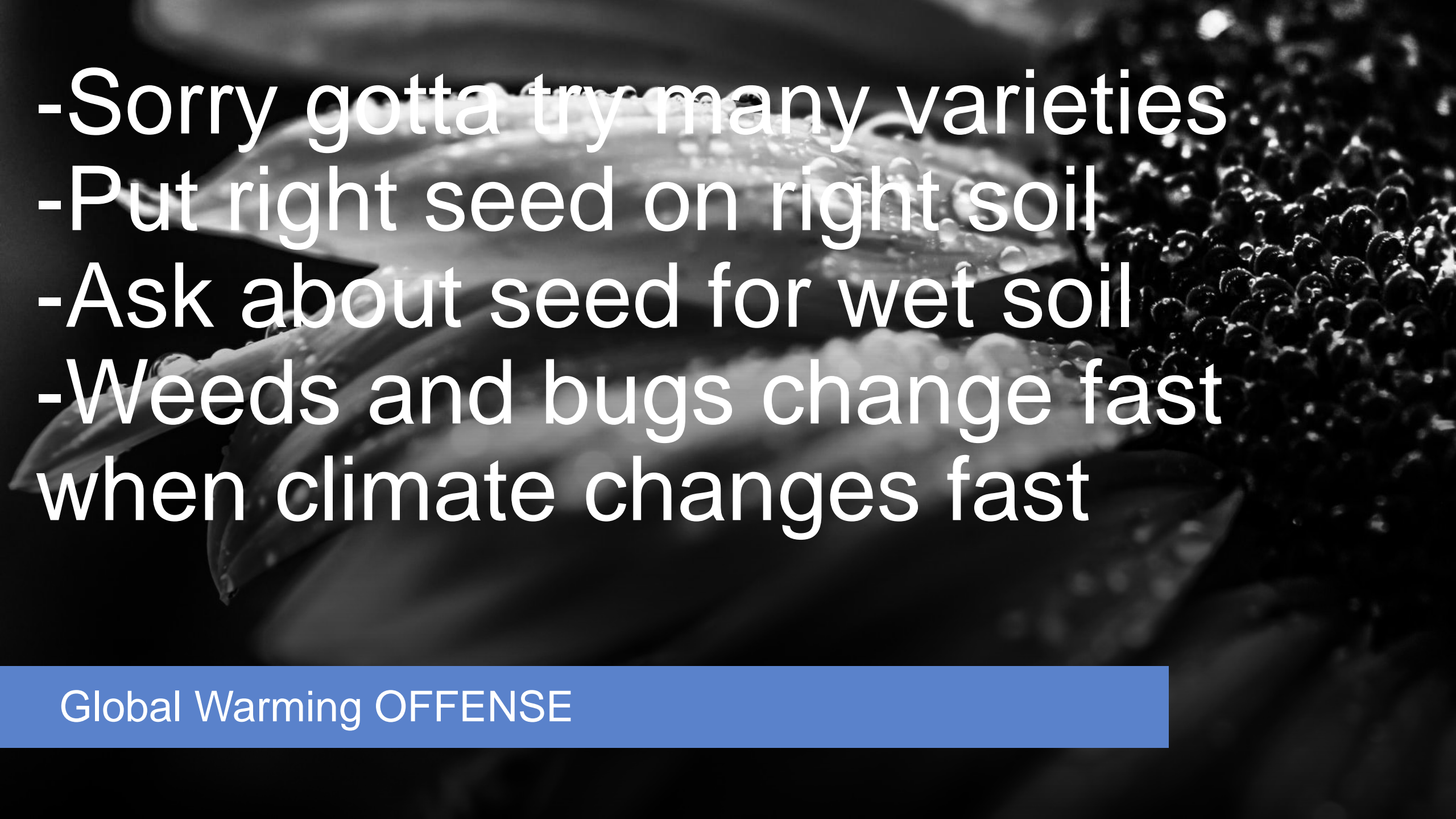
Global Warming DEFENSE

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- Spring a little cooler, wetter
 - Summer mornings warmer
 - Fall MUCH warmer
 - Killing freeze much later
 - Winter wetter

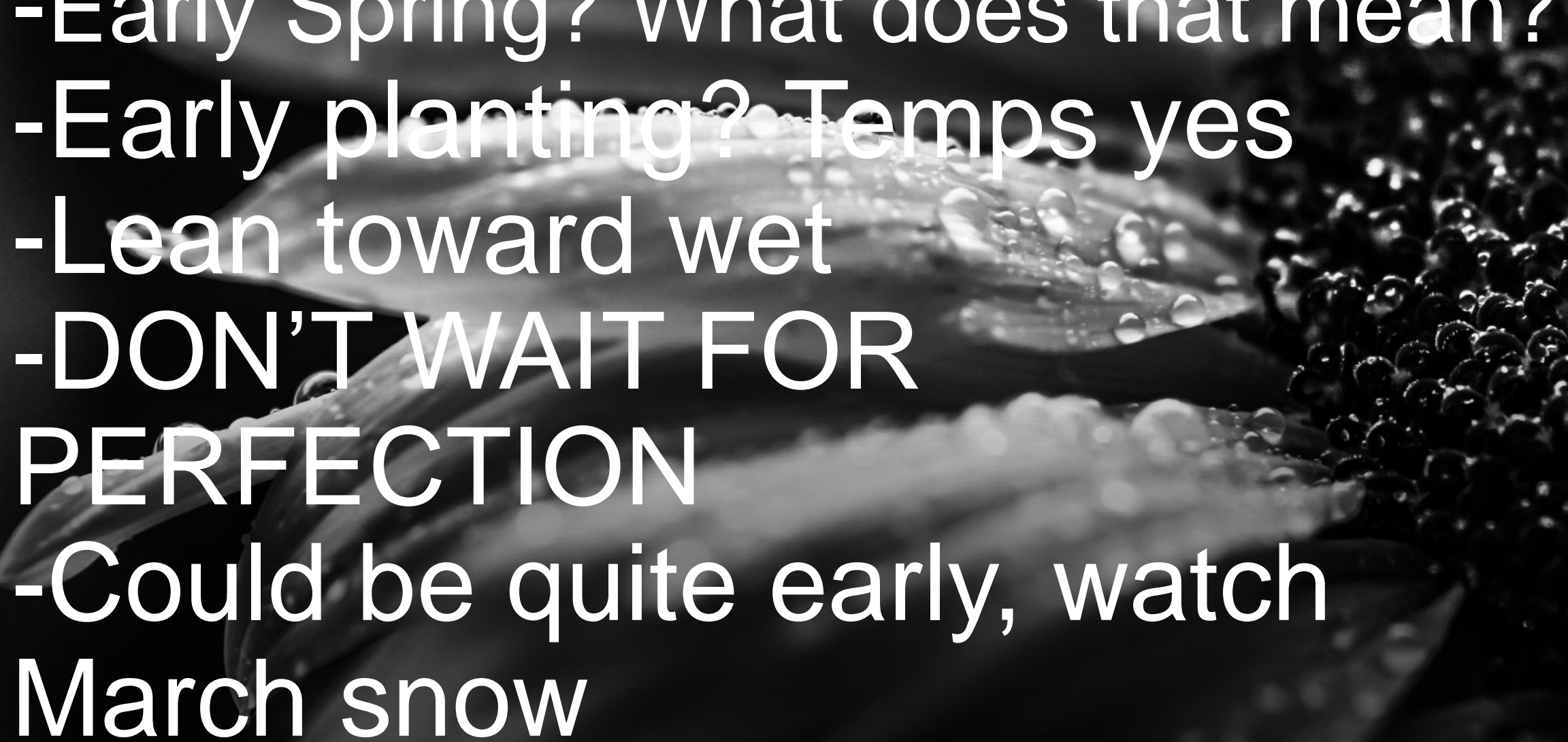
How has growing season changed?

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- Longer growing season
 - 98-102 day before 100-104 now
 - Great growing conditions
 - High yields
 - Watch Cornbelt weather closely

Global Warming OFFENSE

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- A black and white photograph of a hand holding a seedling in soil, with a pile of seeds in the foreground. The text is overlaid on the image.
- Sorry gotta try many varieties
 - Put right seed on right soil
 - Ask about seed for wet soil
 - Weeds and bugs change fast when climate changes fast

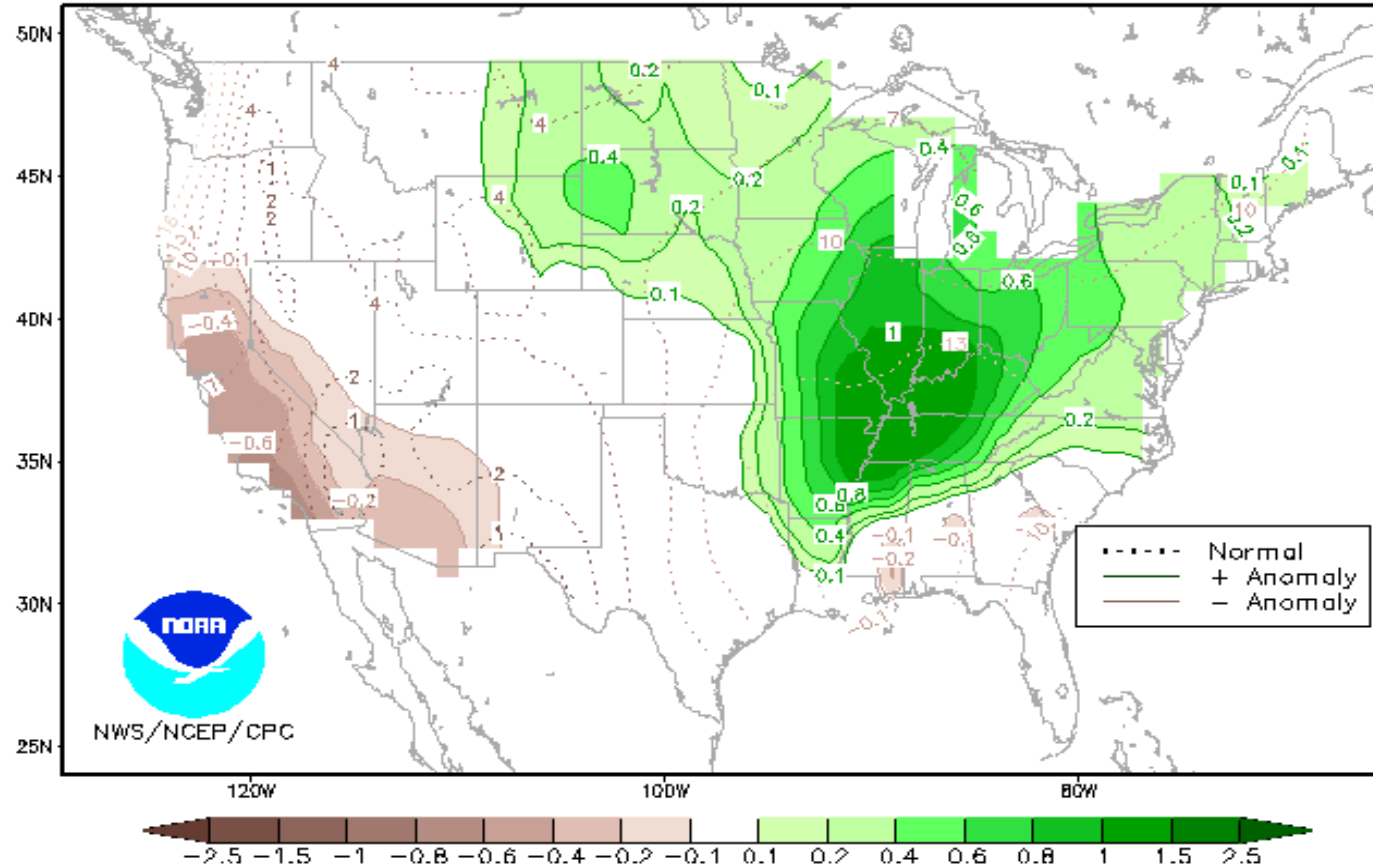
Global Warming OFFENSE

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- Early Spring? What does that mean?
 - Early planting? Temps yes
 - Lean toward wet
 - DON'T WAIT FOR PERFECTION
 - Could be quite early, watch March snow

THIS COMING GROWING SEASON- SPRING

Anomaly (inches) of the Mid-value of the 3-Month Precipitation Outlook Distribution for MAM 2020

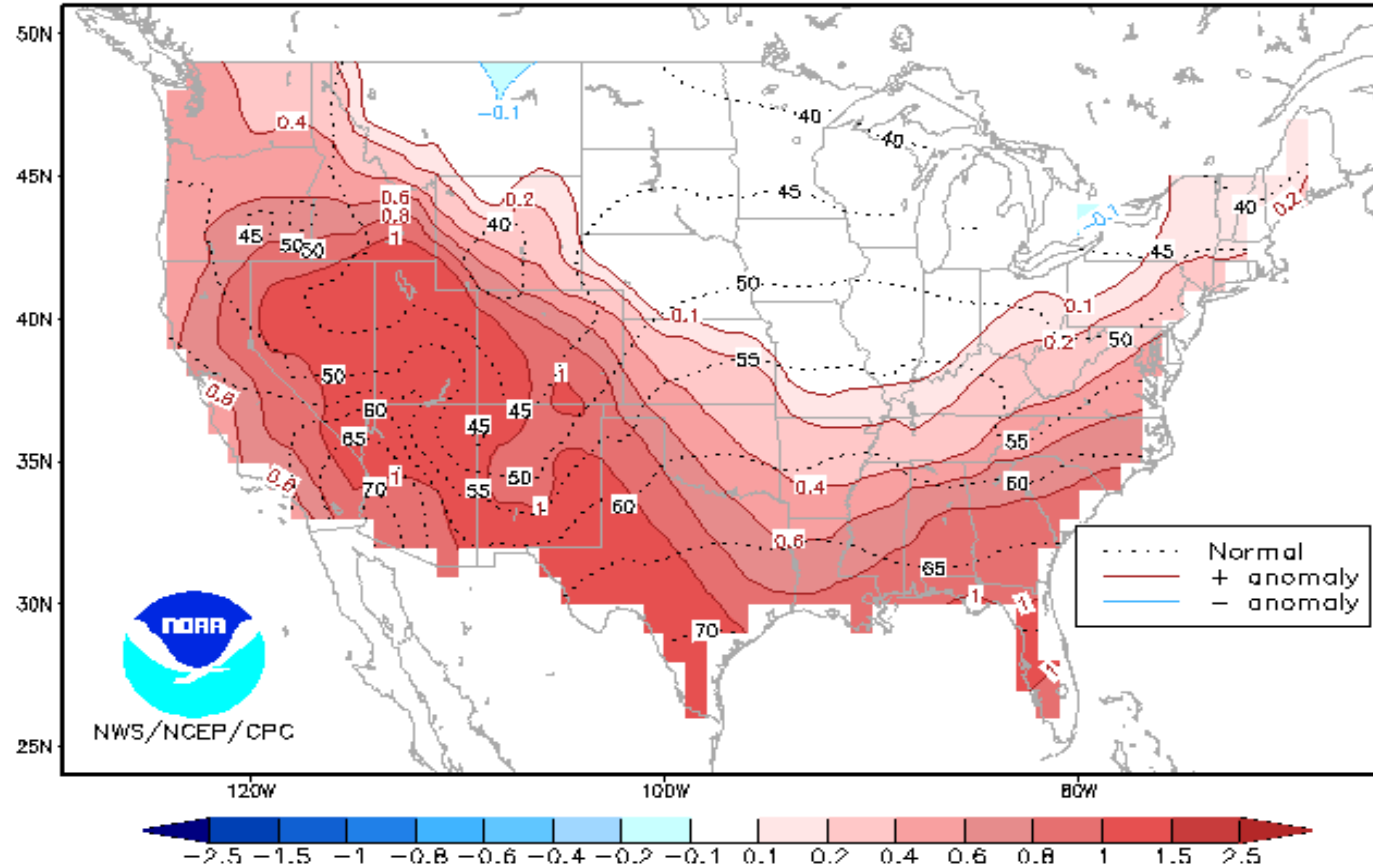
Dashed lines are the median 3-month precipitation (inches) based on observations from 1981–2010. Shaded areas indicate whether the anomaly of the mid-value is positive (green) or negative (brown) compared to the 1981–2010 average. Non-shaded regions indicate that the absolute value of the anomaly of the mid-value is less than 0.1. For a given location, the mid-value of the outlook may be found by adding the anomaly value to the 1981–2010 average. There is an equal 50–50 chance that actual conditions will be above or below the mid-value. Please note that this product is a limited representation of the official forecast, showing the anomaly of the mid-value, but not the width of the range of possibilities. For more comprehensive forecast information, please see our additional forecast products.



Precip March, April, May

Anomaly (deg F) of the Mid-value of the 3-Month Temperature Outlook Distribution for MAM 2020

Dashed lines are the median 3-month temperature (degrees F) based on observations from 1981-2010. Shaded areas indicate whether the anomaly of the mid-value is positive (red) or negative (blue) compared to the 1981-2010 average. Non-shaded regions indicate that the absolute value of the anomaly of the mid-value is less than 0.1. For a given location, the mid-value of the outlook may be found by adding the anomaly value to the 1981-2010 average. There is an equal 50-50 chance that actual conditions will be above or below the mid-value. Please note that this product is a limited representation of the official forecast, showing the anomaly of the mid-value, but not the width of the range of possibilities. For more comprehensive forecast information, please see our additional forecast products.



Precip March, April, May



-Warm, Ample Moisture

THIS COMING GROWING SEASON- SUMMER



-Can't bet on early cold

THIS COMING GROWING SEASON- FALL