

Variety Update and Yield Contest

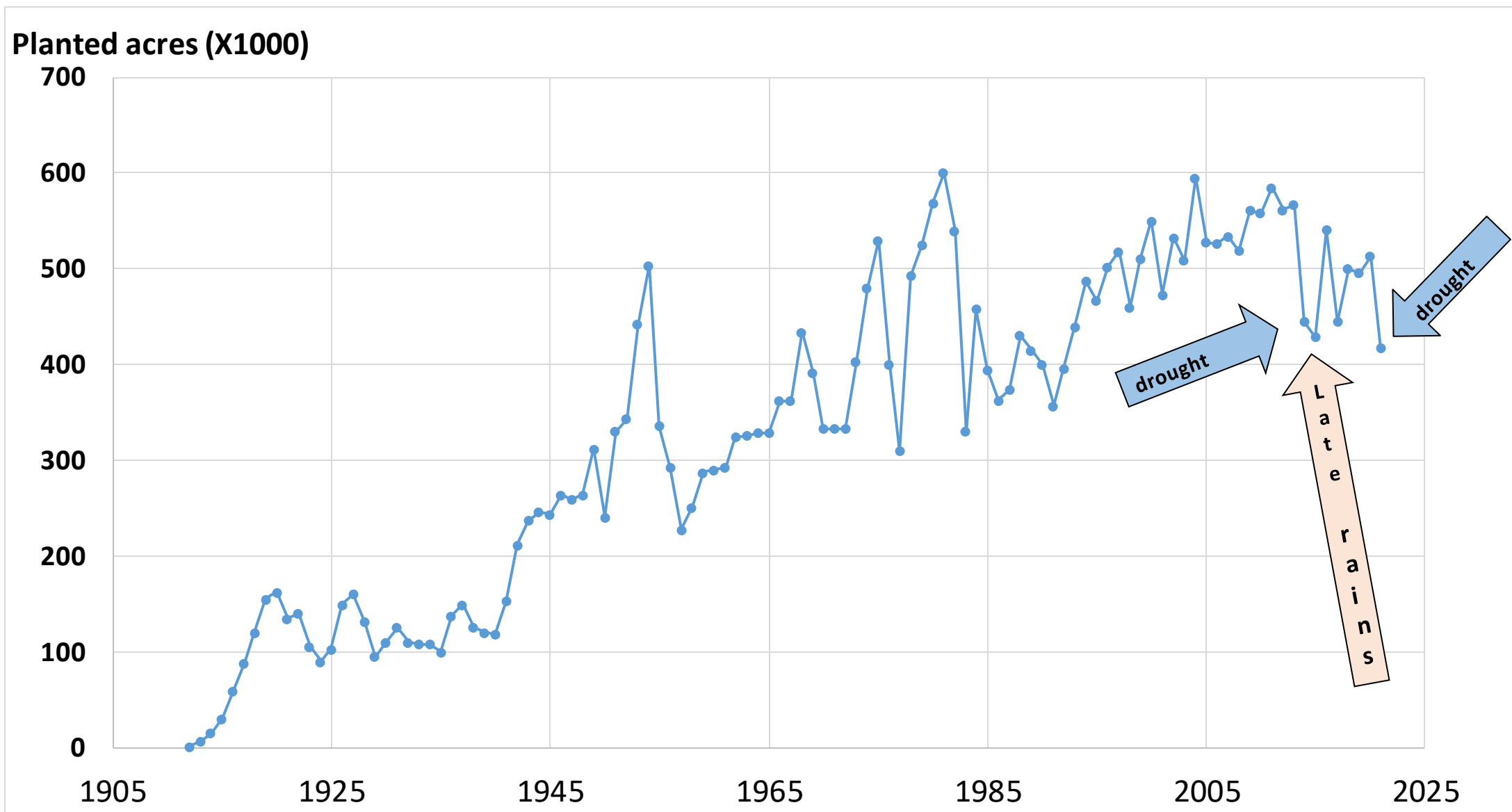


March 14-17, 2022

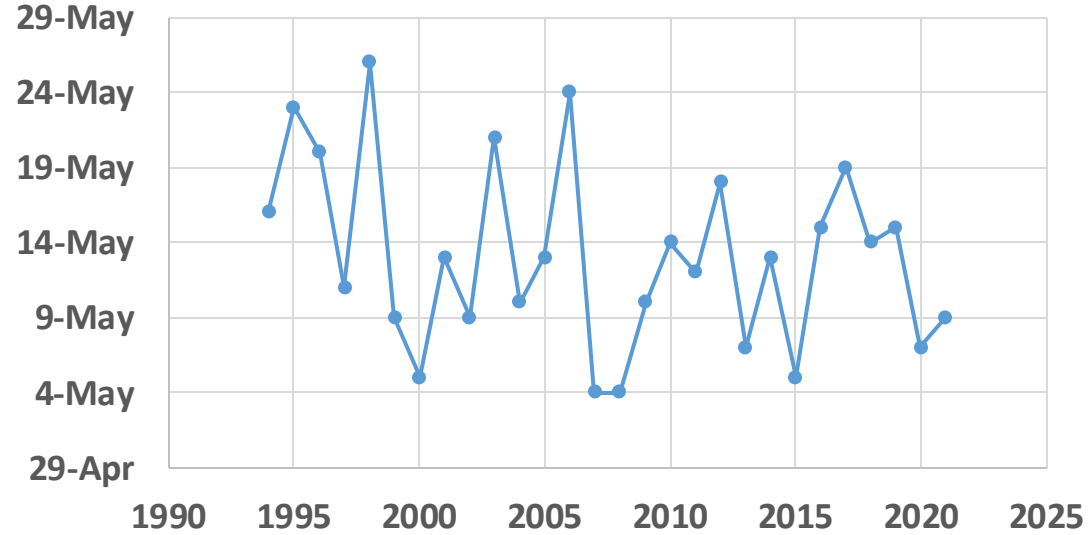
Bruce Linquist



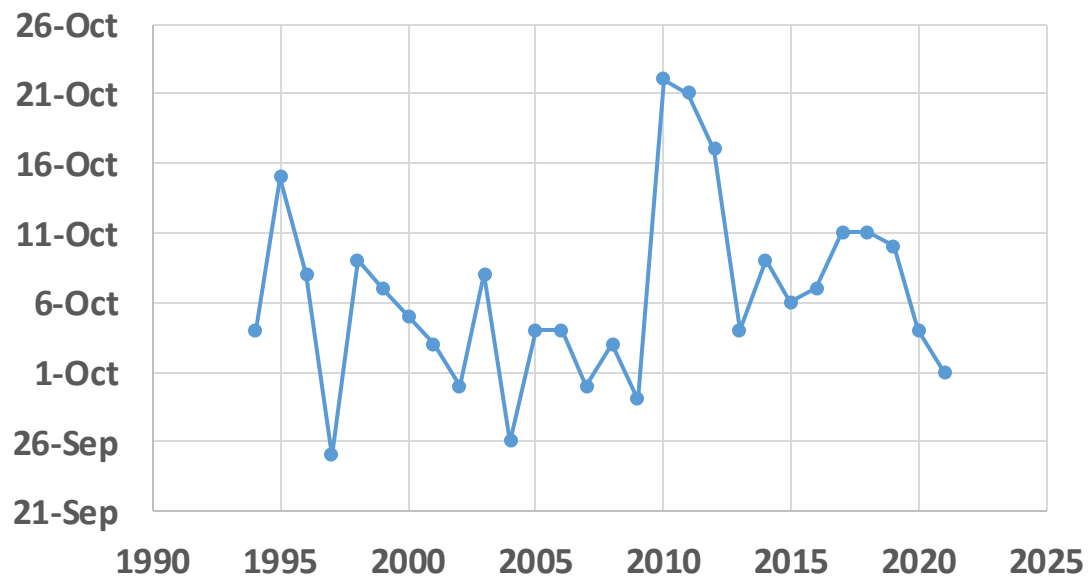
Planted acres



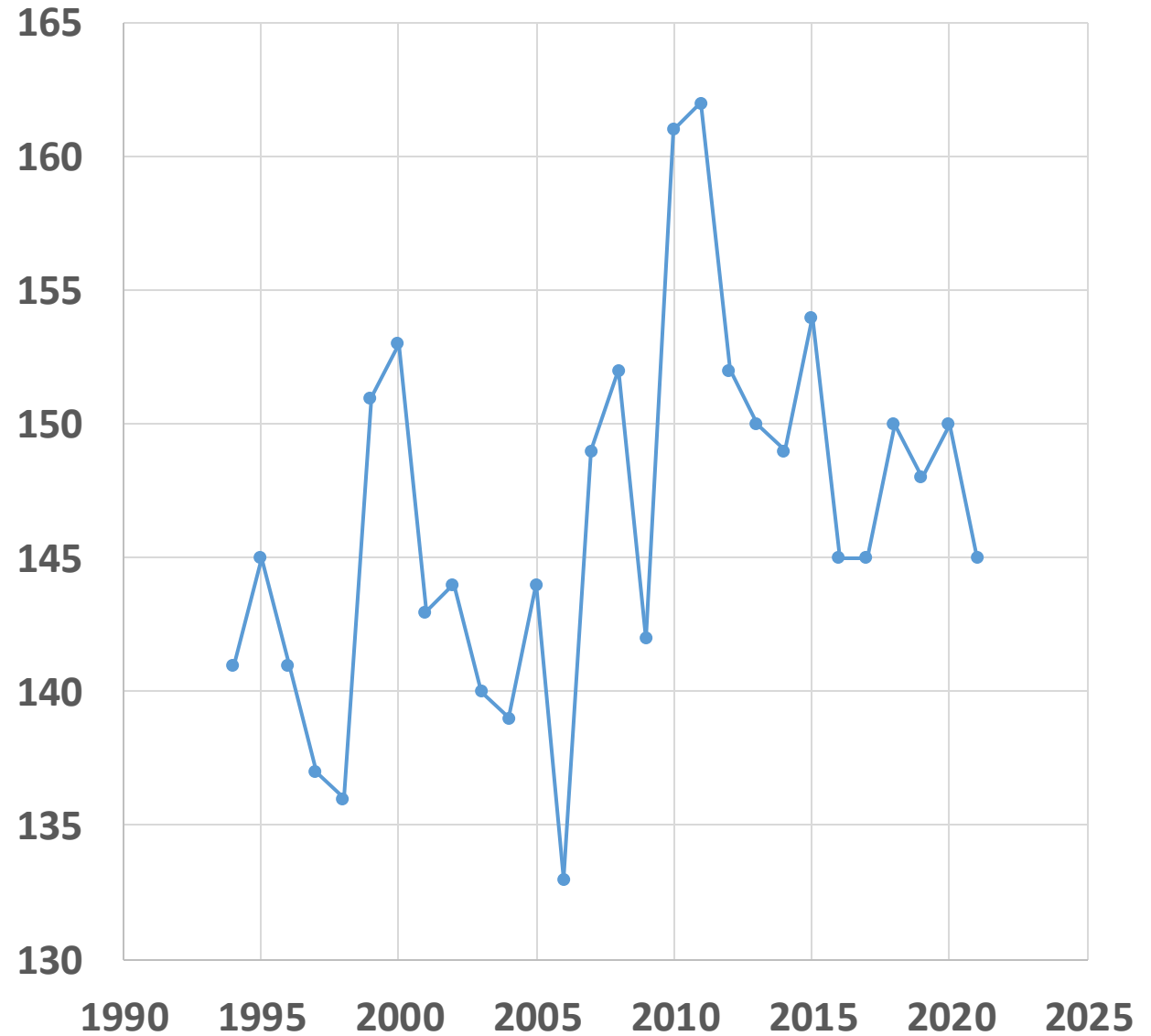
50% planting



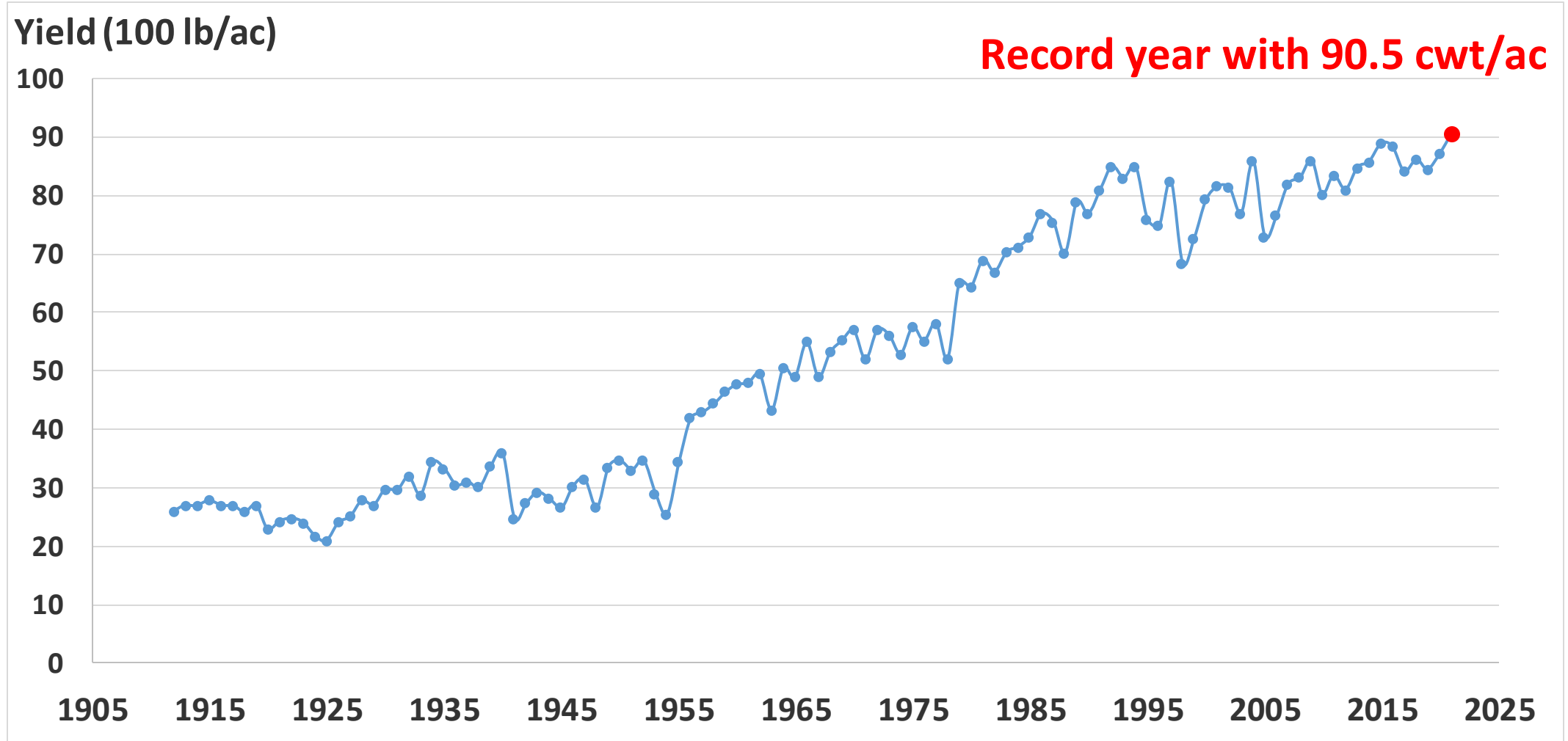
50% harvest



Season length (days)

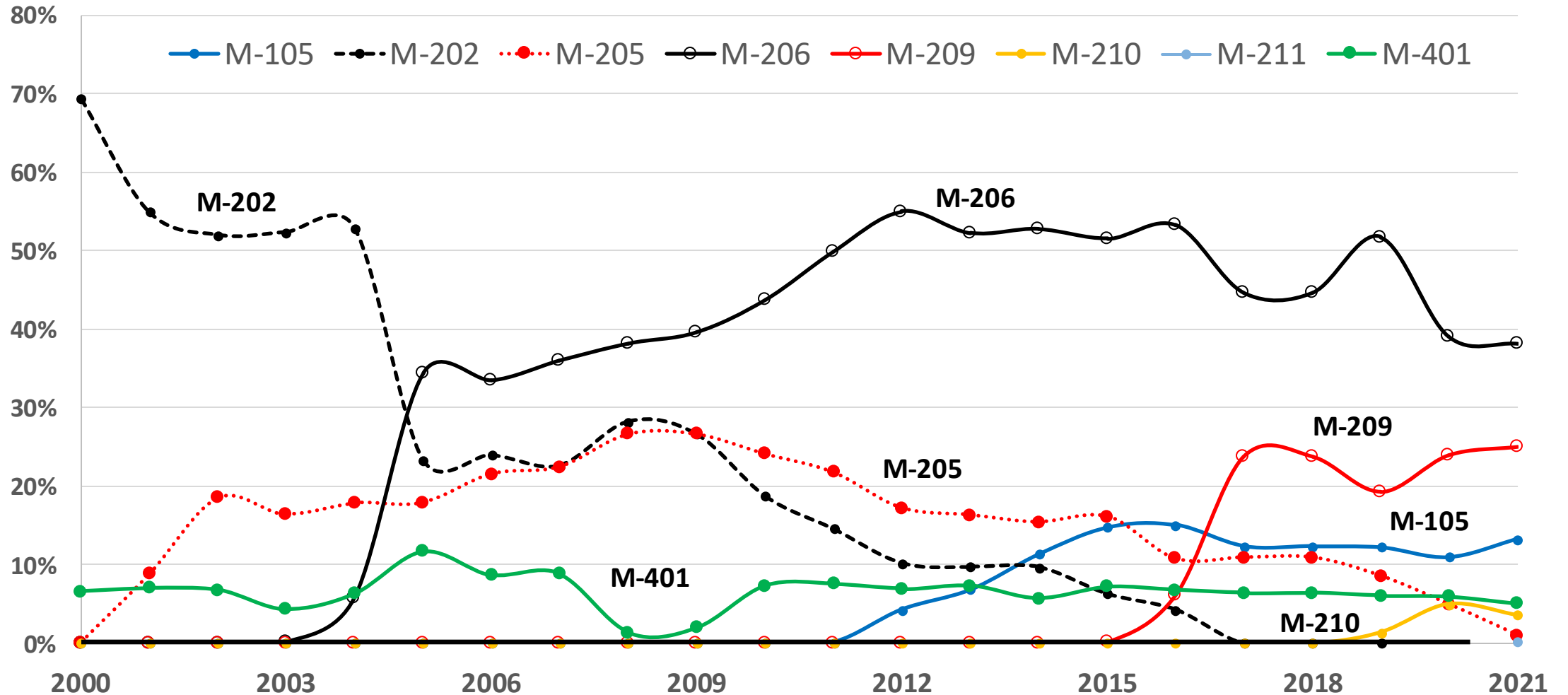


California rice yields (1912 to 2021 - USDA)



Medium grain variety change over time

Medium grain acentage as a percent of total medium grain acentage



Variety test trial results

2017-2021 rice yields

Warm region N of hwy 20

- Overall M-211 has highest yields and among highest yields in all locations
 - 3 cwt/ac more
- Other varieties perform similar to one another

Location	Year	M105	M206	M209	M210	M211
N. Butte	2017	8910	9330	9350	9230	10110
	2018	8350	8270	7990	8290	9270
	2019	9820	9520	9260	10020	10060
	2020	10300	9570	10390	8840	10570
	2021	7620	7420	8460	8870	9200
Location Mean		9000	8822	9090	9050	9842
S. Butte	2017	8930	9650	8480	9650	9130
	2018	9990	10270	9580	9960	10960
	2019	9220	9120	8740	9820	8930
	2020	9640	9490	9630	9660	9910
	2021	9460	9260	9050	9510	8420
Location Mean		9448	9558	9096	9720	9470
Colusa	2017	7390	7530	7850	7910	8680
	2018	8470	8960	9120	8980	9570
	2019	9430	9320	8960	9100	9830
	2020	8850	8820	9040	8950	8760
	2021	10470	9690	10180	9480	9400
Location Mean		8922	8864	9030	8884	9248
Glenn	2017	7520	7140	8200	6530	6950
	2018	9520	9300	9990	9160	10510
	2019	9940	9310	10080	9490	9460
	2020	9170	9500	9550	10240	8660
	2021	9670	9570	8340	9780	9630
Location Mean		9164	8964	9232	9040	9042
Loc/Years Mean		9134	9052	9112	9174	9401

Variety test trial results

2017-2021 rice yields

Cool region S of hwy 20 & Yuba

- M-105 has highest yields overall
- M-209 is poorest performer
- M-211 does well except coolest region
 - (S. Yolo and San Joaquin)
 - Appears to have a broader adaptability range than M-209
 - Sutter and Yuba counties

Location	Year	M105	M206	M209	M210	M211
Sutter	2017	9380	9240	8790	9750	10120
	2018	9540	9250	9090	10110	9920
	2019	9770	9370	9300	9300	10160
	2020	9330	9380	8950	9450	9440
	2021	8750	9610	8400	9450	9160
Location Mean		9354	9370	8906	9612	9760
Yolo	2017	8550	8890	9130	8530	8390
	2018	10010	10090	9790	10020	10710
	2019	9720	9120	9290	9050	10100
	2020	10990	9550	10010	9150	10110
	2021	9350	9520	9620	9330	9930
Location Mean		9724	9434	9568	9216	9848
South Yolo	2017	8590	7530	7280	6920	6740
	2018	8210	7640	7580	7830	7170
	2019	8590	7780	7730	8740	8220
Location Mean		8463	7650	7530	7830	7377
Yuba	2017	8370	8770	9060	8830	9100
	2018	9450	9350	8400	9120	9140
	2019	7170	6990	6650	7450	7070
	2020	7820	7920	7630	7800	8580
	2021	6500	7050	7640	6550	6560
Location Mean		7862	8016	7876	7950	8090
San Joaquin	2021	10700	10090	8590	9950	9940

Loc/Years Mean 9221 8912 8494 8912 9003

Medium grain (M-105, M-206, M-209, M-210 and M-211)

● Warm

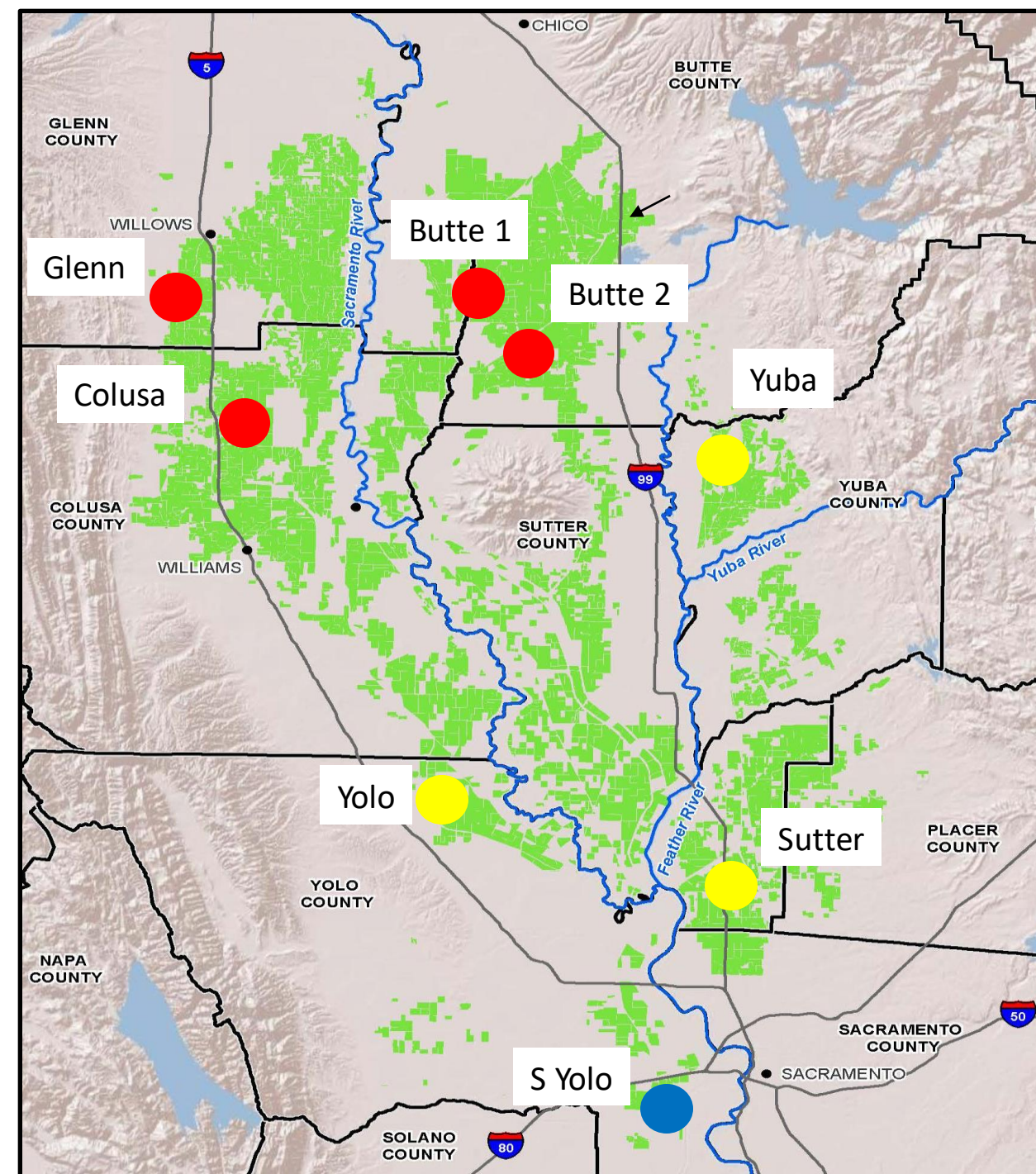
- Best: M-211 - 3 cwt/ac higher than other varieties

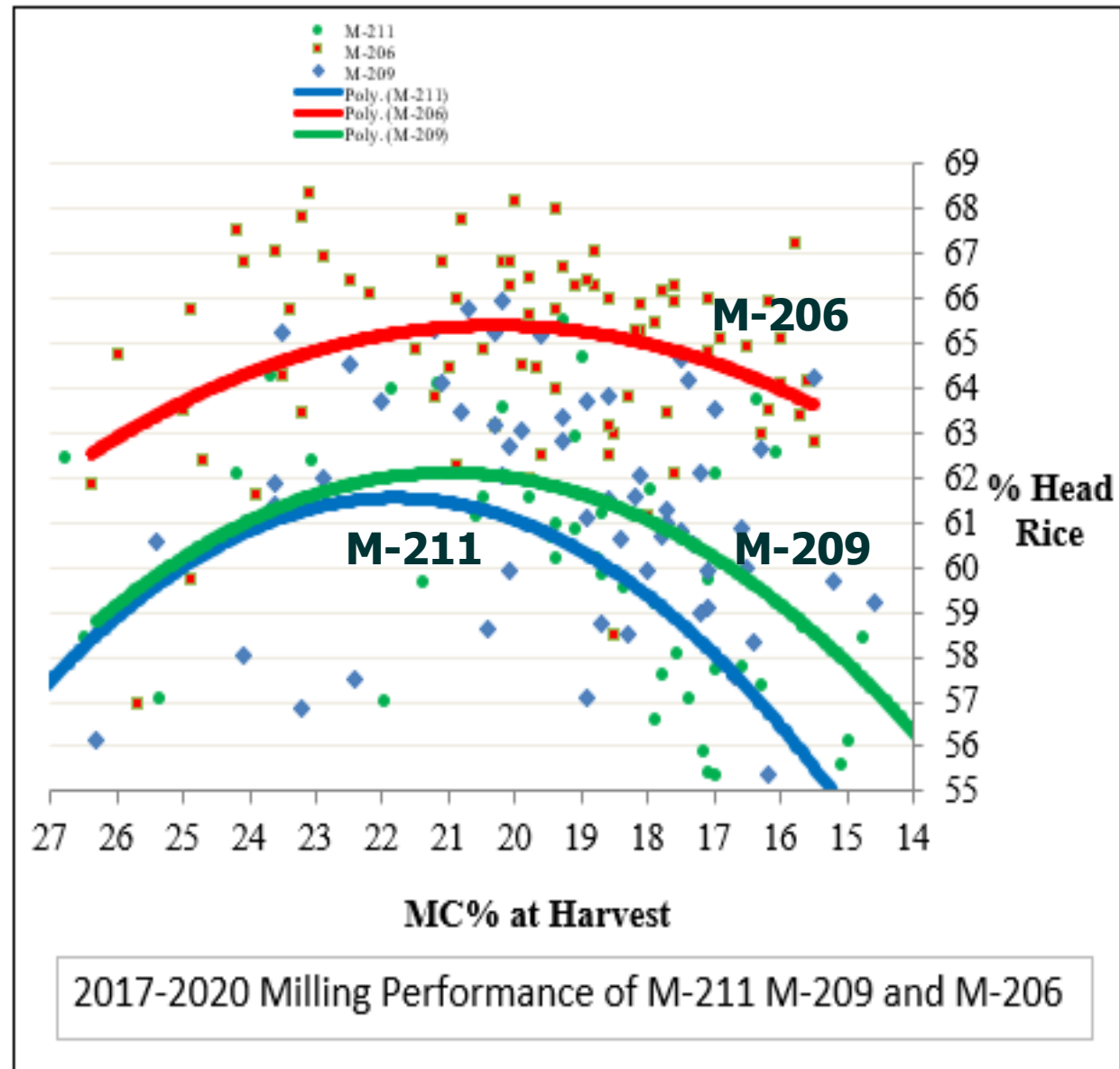
● Moderate (variable micro-climates)

- Best: M-105, M-206, M-210, M-211
- Poor: M-209

● Cool

- Best: M-105
- Poor: M-209 and M-211





Does earlier heading mean earlier harvest?

Variety	50% to heading	Heading to 20%
	days	days
M-105	79	44
M-206	81	41
M-209	87	42
M-210	82	43
M-211	87	43
Range	79-87	41-44

Varietal choice and water requirements

- Shorter duration vs long duration varieties
 - Uses less water
 - Less risk if water has to be shut off early
- Days to heading for M-105 vs M-211
 - Northern/warmer: 82 vs 91
 - Southern/cooler: 98 vs 108
- Days to heading for M-105 vs M-206
 - Northern/warmer: 82 vs 84 (2d)
 - Southern/cooler: 98 vs 103 (5d)

10 days less

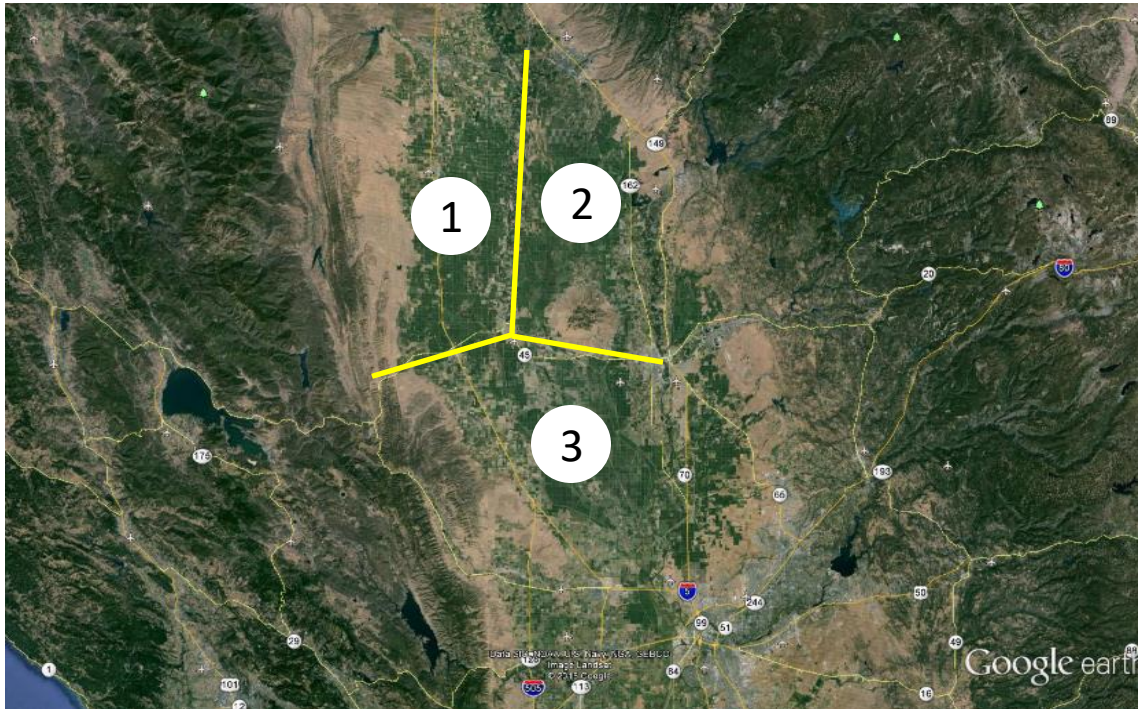
Bigger difference
in cooler regions





2021 Yield Contest

- Minimum of 3 ac from a 10 ac plot
- Yield: 14% moisture
- 3 regions





2021 Yield Contest

2021 Winners

NW:	Hafeez Rehman	113.2	M-210 WS-Cont
NE:	Jack Sheppard	135.8	M-211 DS-Cont
S:	Gordon Wylie	137.3	M-211 WS-Fal



Winners will draw for a Gator

Hafeez Rehman



Jack Sheppard



Gordon Wylie



Thanks to the following

sponsors

Corteva

FMC

Gowan

Nichino

UPL

Valent U.S.A.

Valley Truck & Tractor

Wilbur Ellis

Thank you

