

INSIDE THIS
ISSUE:

Crop Tour 1-4
2022



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P U B L I C A T I O N #

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2022 NEMO Crop Tour

The 2022 crop tour found NEMO corn to be **175 bushels per acre** compared to the current USDA State estimate of 153. That compares to our 2021 estimate of 174 against the USDA State estimate at that time of 171.

Unadjusted 2021 crop tour finding was 184 compared to 2022 at 175. Our adjusted 2021 yield estimate was 174 based on poor population counts found in the spring from “holes” and uneven stands. There are no adjustments made to the 2022 initial findings as the crop was planted late and stands were nearly perfect with few weather events to reduce populations. The last half of August and September in 2021 was very dry and the final State average of 160 in 2021 suggested that the MO crop got smaller toward the finish line. Currently, USDA projects MO at 153 for 2022 and that may be closer to actual this year.

2022 MO crop ratings are currently at 52% good to excellent. This is nearly the 5 year average rating for this time of year. This compares to 63% last year at this time. You can see the lower ratings in our sample findings. While still very good and looking almost identical to 2021, 3 of the 4 quadrants could not put together that perfect fat, long, dense ear, most having 2 out of 3 qualities. However, the NE section may have been the best group of ears we’ve ever sampled. Multiple ears over 400 grams and as heavy as 500 grams, several 45 kernels long, and one set with 22 rows. Ear quality and density would be far better than most samples you could pull in any other State. MO only lacks population. Put an IA 30x average population with the NE MO ears and the average yield would exceed 250bpa. It was plain to see in the SW sampling that moisture was lacking. The SW always plants higher populations and ears were much smaller than in the other 3 quadrants. This is one of the few years where higher populations resulted in lower yields.

The U.S. is 54% good to excellent. This compares to 60% last year at this time. Ratings are a simple average by State, so to estimated U.S. yields, you must apply the ratings to individual State production. That being said, IA, IL, MN, are all rated better than last year. The low corn production States to the south are bringing the weekly ratings down.

2022 NE MO Crop Tour

Pro Farmer came in at a U.S. yield of 168 versus 177 last year. If you just compare their raw findings where they sample, yields were down 12 from last year. Our raw findings were down 9 from last year. The takeaway for me is that the crop is highly variable. Highly variable does not produce a trend line yield, but rather in that 170 area. A 170 yield would produce a similar market to last year: \$7.00-\$7.50 corn. I do not expect \$8.00 corn again this year as \$8.00 corn resulted from a World in turmoil and a total commodity complex that was short all grains. Between Ukraine being old news, other countries planting more acres this year, and a recession upon us, there will be less risk and uncertainty this year to create the large risk premiums or to entice record speculative positions willing to buy \$7.50 corn in hopes of it going to \$8.00 again. The USDA is currently at 175.4...too high by all private estimates. The market place knows USDA yield will come down and the market has traded up over \$1.00 from July lows, but most will not chase the market higher from here until they see USDA lower yield estimates significantly.

MO's yield will be highly variable, but in our part of MO, we will bring up the average as many private analysts like FBN currently have this part of the State estimated around 150. If it doesn't rain another drop, we will still finish well above that.

Thanks to all of you who allow us to freely access fields to provide everyone with access to the best yield information available. The USDA simply does not provide much of MO any timely or accurate production information and as the years have passed, we've put more faith in our own statistical sampling and hands on method than anything else. 80 samples were pulled, 20 from each quadrant, covering a radius from Macon of about 40 miles.

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MAC	Pop	Rows	Length	Condition	Poet Yield	USDA	
2022	28	17	34	90	175	153	State Est.
2021	26	Pop adj. down 5%			174	160	State
2021	27	16	37	91	184	160	State
2020	27	16	35	88	175	170	NE Dist.
2019	25	16	34	93	152	153	NE Dist.
2018	28	16	30	99	139	140	NE Dist.
2017	28	17	33	91	166	166	NE Dist.
2016	27	17	38	87	198	170	NE Dist.
2015	26	16	35	93	152	124	NE Dist.

	Pop	Rows	Length	Condition	2022 Yield	2021	2021 ADJ
NE	27	17	38	88	197	186	177
NW	27	17	35	90	175	185	176
SE	28	17	32	91	164	174	165
SW	29	16	32	91	166	190	181

- * Lack of rain took a toll on ear quality in SW where populations were high.
- * NE ears was the best set of ears we have ever pulled. One sample went 278bpa - 30 pop, 21 avg around, 38 long, ears 450 grams, 86 divisor
- * Populations were near a record high.
- * Last year, we reduced “as found” findings by 5% for population concerns that we actually verified and counted in spring. The late planting this year provided excellent consistency of stands.
- * The condition index of 90 this year is 1 point better than last year. The NE area brought the quality rating up, but ear density is not nearly as consistent as it was last year. My bias from our estimate would be to the downside, suspecting test weights to be 1-2 points lower to our south.

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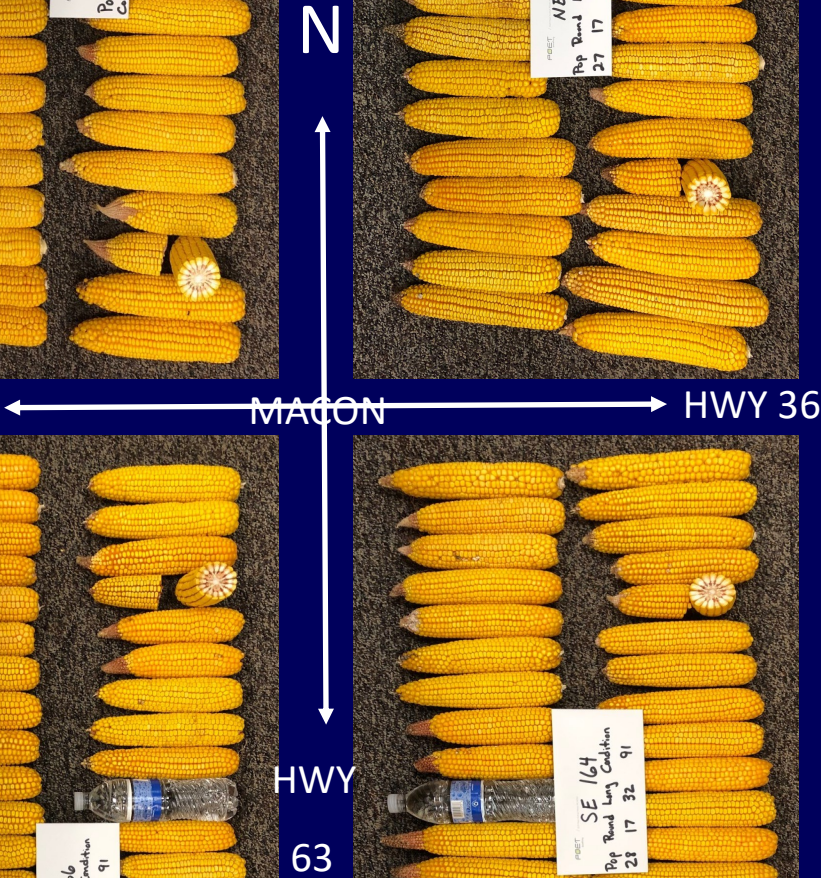
2022
175

2021
176



2022
197

2021
177



2022
166

2021
181



2022
164

2021
165