

2018 DCD Trial: Fertigation

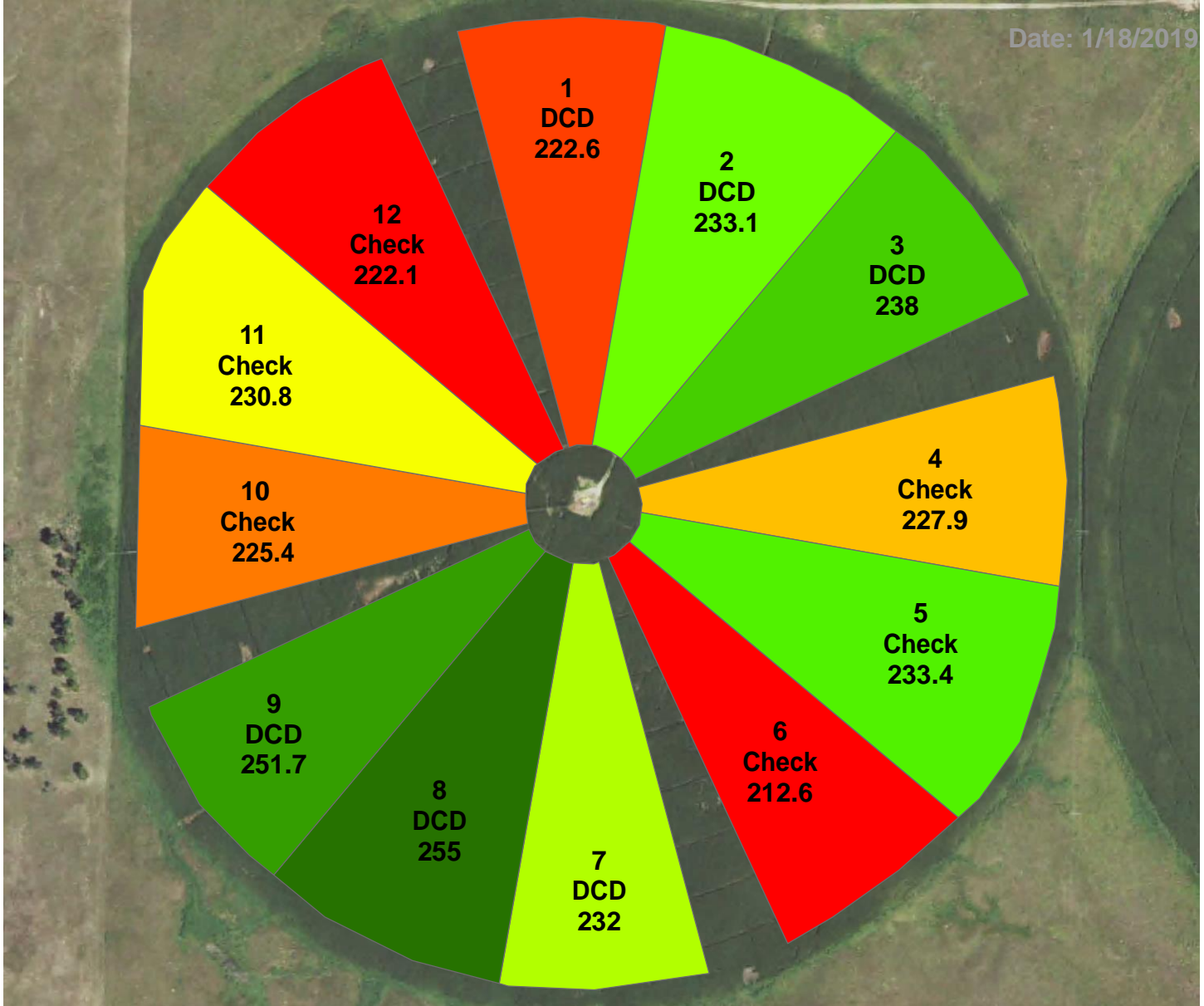
This trial was conducted by Simplot in Western Nebraska on a 112-acre, pivot irrigated corn field. With a special pump set up, DCD was injected through the fertigation system in different areas of the field. The summary of application is as follows:

- The field had 4 pivot injections of 28-0-0-5S
- Each injection had 30 lbs of N and 5.5 lbs of sulfur
- DCD was applied on the last two applications
- The first DCD application was at VT, the second at R2
- The DCD rate was 3 quarts per ton or about 5.3 oz per acre

The table below shows results from the trial. Also included is 2017 Yield data to effectively compare the zones with how they performed in the previous year. DCD had a very positive effect on yield; the average yield for the check zones was 225 bu/ac and the average yield for the DCD zones was 238.6 bu/ac. That is a 13.6 bu/ac yield increase where DCD was applied. 2018 and 2017 yield maps can be found on the following pages further outlining the findings of this trial.

Simplot DCD Trial, 2018				
	2018 Yield	Treatment	2017 Yield	2018 → 2017 Difference
Zone 4	227.9	Check	235.7	-7.8
Zone 5	233.4	Check	233	0.4
Zone 6	212.6	Check	227.4	-14.8
Zone 10	225	Check	236	-11
Zone 11	230	Check	234	-4
Zone 12	221	Check	227	-6
Average	225.0		232.2	-7.2
Zone 1	222.6	DCD	219	3.6
Zone 2	233.1	DCD	232.2	0.9
Zone 3	238	DCD	230.7	7.3
Zone 7	232	DCD	233.6	-1.6
Zone 8	255	DCD	238.9	16.1
Zone 9	251	DCD	235.7	15.3
Average	238.6		231.7	6.93
	2018 Check vs DCD		2017	
Difference	13.6		-0.5	

2018 Yield



FIELD SUMMARY

- Total acres: 112
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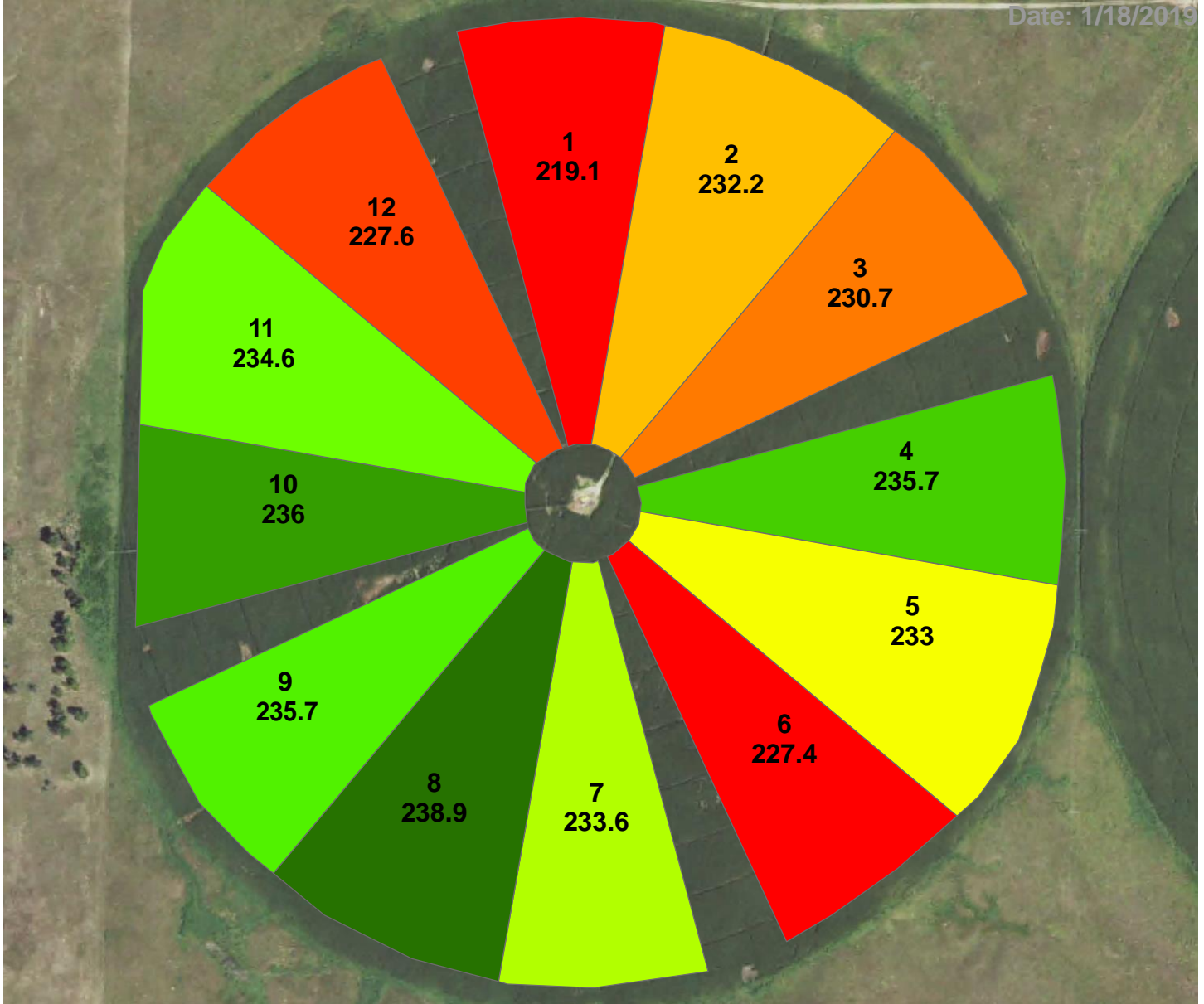
Average Yield:

DCD = 239 bu/ac

Check = 225 bu/ac

2017 YIELD COMPARISON

Date: 1/18/2019



FIELD SUMMARY

Total Acres: 112
Fertilizer: 28-0-0-5S

LEGEND

2017_Yield_Results

MEAN

219.08955852
227.424269677
227.612435762
230.683374935
232.153698385
233.043483285
233.605223821
234.562252275
235.686597427
235.698213874
235.983494851
238.88346148