

2015 Early Yield Calculation using Pacesetter 2

Date field was flown with Pacesetter 2: 8-11-15

*NDVI map of field was created

Took four physical yield checks to derive the following bu/ac values after field was flown:

Green	240 bu/ac
Yellow	190 bu/ac
Orange	110 bu/ac
Red	0 bu/ac

*Set GPS points for where each yield check would be taken using a tablet with the created NDVI image on it.

Total acreage of field flown: 27.195 acres

Acreage of field represented by each color determined from NDVI map created:

Green	12.4570 acres
Yellow	11.8526 acres
Orange	2.7854 acres
Red	.1 acres

Predicted bushels from each color on map:

Green	12.457 ac x 240 bu/ac=2989.68 bu
Yellow	11.8526 ac x 190 bu/ac=2251.994 bu
Orange	2.7854 ac x 110 bu/ac=306.394 bu
Red	.1 ac x 0 bu/ac=0 bu

2989.68 bu+2251.994 bu+306.394 bu+0 bu=5548.068 total bushels

5548.068 bushels divided by 27.195 ac=**204 bu/ac**

Final yield grower said he got after it was harvested on 10-14-15: 205 bu/ac

205 bu/ac – 204 bu/ac = 1 bu/ac divided by actual yield of 205 bu/ac = .5% difference

The Pacesetter 2 serves as a useful and valuable tool to accurately estimate crop yields well in advance of harvest to allow you to better market your crop!

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