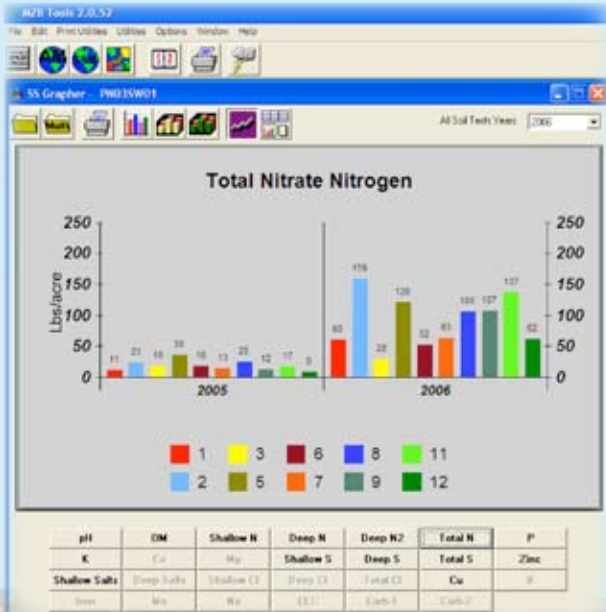
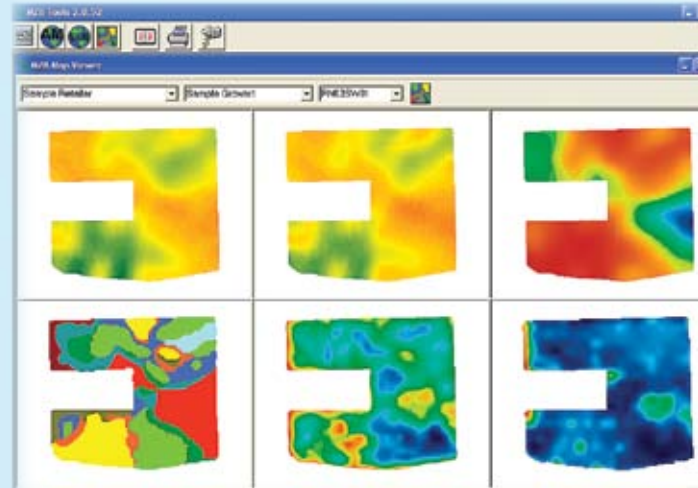


MZB Tools

Growers using the MZB System have access to MZB Tools. MZB Tools is a software package that allows growers to view their zone maps, soil test results, MZB base layers, application files, as well as grower imported files such as yield data. It can be installed on the grower's computer and it keeps itself updated with the most current information.



MZB zone soil test results showing 2005 and 2006 total nitrate nitrogen results.

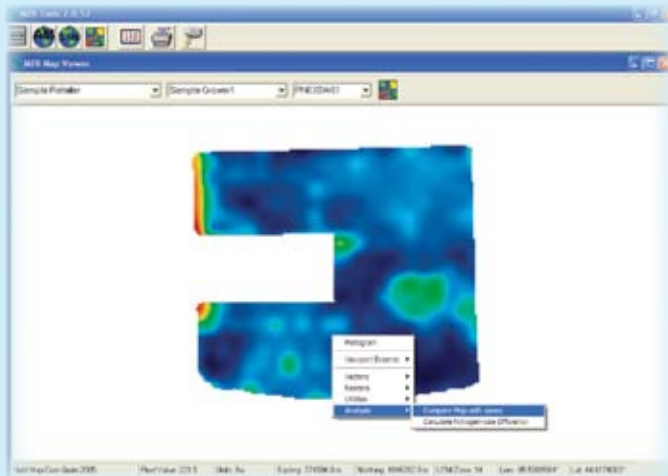


MZB base layer data and grower imported yield data.

With imported yield data in MZB Tools growers can summarize, with the click of a button, their yield data by MZB zone. This helps to improve accuracy at setting yield goals for each of the zones. In cases where growers have soil tests for nitrogen before and after a crop, with the click of a button they can calculate the nitrogen use efficiency of that crop. Some zones use nitrogen at a higher rate than others within a field. Without actual calculations it is recommended to follow the local university's recommendations. As growers develop a database of this information over time, they can start making adjustments to make the use of nitrogen fertilizers more efficient.

When producers import yield data into MZB Tools they will be asked if they would like to back the data up on the MZB Technologies ftp site. This provides the grower an offsite backup of his yield data, therefore, the loss of data due to computer failure is eliminated. Local Wheat

Growers Sales Agronomist can use the data from the ftp site to improve the recommendations created for the field. This brings the grower and Wheat Growers Sales Agronomist on the same page using the same information to create the best possible fertility and seeding recommendations.



NITROGEN USE EFFICIENCY BY MZB ZONE

Zones	NUse	SS1	SS2	AppliedN	Yield
1	0.65	11	10	137	212.4
2	1.03	23	49	246	213.5
3	0.66	18	18	142	214.1
5	0.61	35	35	124	204
6	0.62	18	22	107	166.5
7	0.77	13	28	184	219.7
8	0.86	25	30	196	222.8
9	0.83	12	32	207	224.2
11	1.02	17	37	251	225.8
12	0.93	8	27	236	233.9

These charts and illustrations show how easy it is to calculate nitrogen use efficiency and summarize yield data by zone. Please note that the field used in this example is an actual MZB field that had near perfect growing conditions, therefore the nitrogen use efficiency is better than average and growers should not use this information to reduce nitrogen applications without understanding that in doing so their yields may be reduced.

YIELD DATA SUMMARIZED BY MZB ZONE

Zones	Acres	Min	Max	Mean	StdDev	Range	Variance
1	21	142.88	242.88	212.38	23.23	100	539.64
2	3.8	193.26	221.5	213.52	3.29	28.24	10.8
3	18.3	174.25	242.06	214.08	10.23	67.81	108.68
5	4.2	89.02	234.91	204	32.67	145.9	1184.97
6	3.5	58.92	235.24	166.55	48.44	176.32	2346.55
7	7.4	206.06	231.16	219.7	5.84	25.1	34.87
8	10.6	201.38	240.38	222.78	8.22	39	80.1
9	9.8	184.85	242.3	224.22	9.47	57.44	101.62
11	27.1	201.95	240	225.79	7.63	38.04	64.99
12	9.3	218.86	244.35	233.9	6.04	25.49	44.52

A new feature in MZB Tools will allow growers to check the status of all of their fields. The software will be able to tell growers if their field was soil tested, applied, etc.