

NIR system solution for crop analysis



The presentation of the harvested material has a significant influence on the quality of the NIR analysis data. The important advantage of the NIR system solution is a result of the controlled passage of the harvested material past the NIR measuring head. This ensures that a representative analysis of the entire plot can be secured. The presentation of harvested material is suited for all kinds of crops from rapeseed to grain and legumes to grain maize. Subsequently, the Easy Harvest crop software automatically allocates the NIR analysis information to the respective plot and stores the data.

As a standard, the WINTERSTEIGER NIR system solution is equipped with POLYTEC contact measuring instruments. Other NIR measuring instruments are available upon request.

Your benefits summed up:

- Achieve representative NIR measurements through optimal presentation of harvested material
- Suitable for use with all crops
- Easy to operate and control with the Easy Harvest crop software
- All measurement results stored in one harvest file in .xls or .csv format



The NIR system solution integrates itself perfectly into the process on the plot combine.

With the Easy Harvest crop software, all processes are controlled from a touchscreen and the data is linked to the harvest file.

Field	trial	plot	design	plots	width	plot ID	moisture	weight	seed weight	user	NIR moisture value	NIR protein value	NIR oil
www.loc3_34	early_30	1	1	10_302	6.83	4.25	77.56	8653	8.83	David	28.57	28.38	28.57
www.loc3_34	early_30	1	2	10_303	6.30	4.33	75.73	8653	6.69	David	28.38	28.67	28.38
www.loc3_34	early_30	1	3	10_303	6.95	5.03	78.54	8653	6.98	David	28.67	28.96	28.67
www.loc3_34	early_30	1	4	10_306	6.67	5.44	78.78	8653	6.67	David	28.96	29.25	28.96
www.loc3_34	early_30	1	5	10_305	3.90	4.60	74.30	8653	7.34	David	29.25	29.54	29.25
www.loc3_34	early_30	1	6	10_306	3.11	4.62	75.25	8653	7.28	David	29.54	29.83	29.54
www.loc3_34	early_30	1	7	10_307	2.95	4.76	77.17	8653	7.93	David	29.83	30.12	29.83
www.loc3_34	early_30	2	1	10_308	1.54	4.68	75.49	8653	7.89	David	30.12	30.41	30.12
www.loc3_34	early_30	2	2	10_309	4.81	5.11	78.56	8653	6.75	David	30.41	30.70	30.41
www.loc3_34	early_30	2	3	10_310	7.15	4.76	75.34	8653	7.10	David	30.70	30.99	30.70
www.loc3_34	early_30	2	4	10_311	3.85	4.98	76.50	8653	7.04	David	30.99	31.28	30.99
www.loc3_34	early_30	2	5	10_312	7.26	4.73	78.10	8653	7.30	David	31.28	31.57	31.28
www.loc3_34	early_30	2	6	10_313	3.00	5.04	77.55	8653	7.54	David	31.57	31.86	31.57
www.loc3_34	early_30	2	7	10_314	3.09	4.88	76.30	8653	7.63	David	31.86	32.15	31.86
www.loc3_34	early_30	3	1	10_315	3.90	4.17	76.78	8653	4.70	David	32.15	32.44	32.15
www.loc3_34	early_30	3	2	10_316	7.28	4.75	78.01	8653	7.28	David	32.44	32.73	32.44
www.loc3_34	early_30	3	3	10_317	6.78	4.84	76.41	8653	6.70	David	32.73	33.02	32.73
www.loc3_34	early_30	3	4	10_318	7.22	5.16	74.78	8653	7.28	David	33.02	33.31	33.02
www.loc3_34	early_30	3	5	10_319	3.95	3.99	77.70	8653	7.37	David	33.31	33.60	33.31
www.loc3_34	early_30	3	6	10_320	7.32	4.63	78.31	8653	7.40	David	33.60	33.89	33.60

