



FUNGICIDE INPUTS vs YIELD POTENTIAL

This is often a conundrum for growers – how much do you spend on fungicides and how do you match those inputs to the yield potential of the crop?

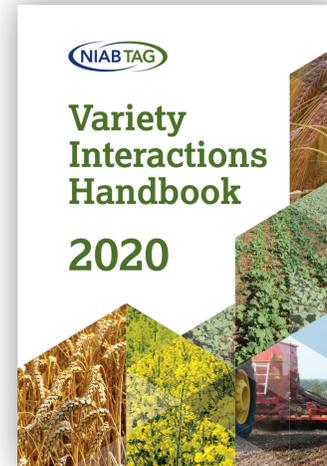
How much to spend?

The 'responsiveness' of a variety is a good starting point – on average, how much yield response do you get from a fungicide programme?

The chart shows how varieties respond to fungicide inputs. Those in green are low response varieties and those in pink are high response varieties.

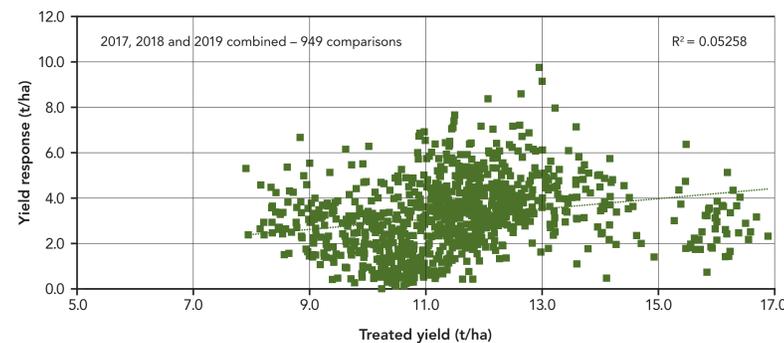
How much more do you spend on high yielding crops?

Common sense tells you that you should spend more money on fungicides in high-yielding crops but the data does not support this belief. Low yielding crops can give large responses to fungicides. Similarly, high yielding crops may only give small responses to fungicides. The best correlation is between the untreated yield and the response to fungicides.

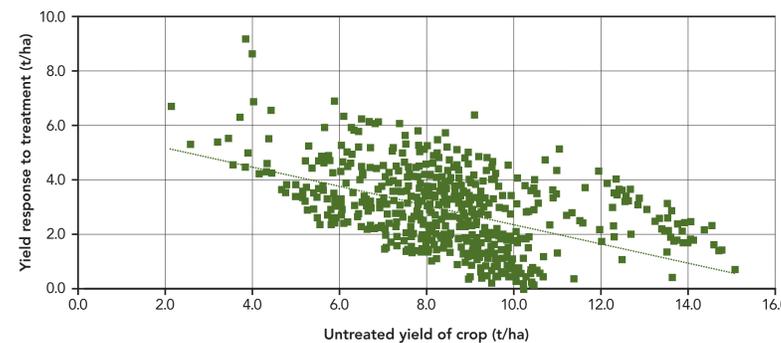


Variety	Untreated yield	Treated yield	Response (t/ha)
KWS Santiago	7.40	11.85	4.45
KWS Kinetic	8.25	12.29	4.04
Leeds	7.40	11.28	3.88
KWS Barrel	8.00	11.85	3.85
KWS Lili	7.84	11.61	3.77
Zulu	7.77	11.41	3.64
Crusoe	7.73	11.31	3.58
KWS Basset	7.91	11.45	3.54
KWS Kerrin	8.71	12.06	3.35
KWS Jackal	8.35	11.69	3.34
Elation	8.44	11.76	3.32
LG Detroit	8.50	11.69	3.19
Shabras	8.90	12.07	3.17
LG Spotlight	8.86	12.02	3.16
RGT Gravity	8.85	12.00	3.15
Bennington	8.77	11.89	3.12
SY Insector	9.38	12.49	3.11
KWS Firefly	9.07	12.10	3.03
Viscount	8.32	11.28	2.96
Gleam	9.28	12.18	2.90
LG Skyscraper	9.25	12.11	2.86
KWS Parkin	9.28	12.11	2.83
Elicit	8.74	11.52	2.78
Skyfall	8.59	11.35	2.76
KWS Crispin	9.16	11.87	2.71
Costello	9.00	11.65	2.65
KWS Siskin	9.28	11.87	2.59
Revelation	8.61	11.07	2.46
Dunston	9.09	11.47	2.38
Graham	9.79	12.13	2.34
KWS Zyatt	9.24	11.57	2.33
RGT Saki	9.79	12.11	2.32
LG Motown	9.29	11.56	2.27
RGT Illustrious	9.09	11.15	2.06
LG Sundance	9.54	11.59	2.05
KWS Extase	10.66	11.93	1.27
Theodore	10.88	11.84	0.96

Yield response vs treated yield



Yield response vs untreated yield



NIAB TAG Membership

For more detailed help with planning fungicide inputs on varieties NIAB TAG members can access the unique online 'Variety Fungicide Planning' tool on the NIAB TAG membership website. This is just one example of the research information, digital tools and advice delivered alongside NIAB TAG's extensive and exclusive member-funded field trials programme, supplying impartial cost effective crop production strategies specifically for our members.