

Weed Control in Sugar Beet from an Agronomist's Perspective



Strategy

Assimilate information \Longrightarrow strategy

Depends on:

Anticipated weeds – weed-beet



August 2018





4th September 2020



21st May 2024



17th July 2024

17th July 2024



August 2018



Strategy

Assimilate information \Longrightarrow strategy

Depends on:

Anticipated weeds

1. Weed beet
2. Grass-weeds

Strategy

Assimilate information \Longrightarrow strategy

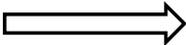
Depends on:

Anticipated weeds

Spraying capacity/band spraying/hoe/new technology



Strategy

Assimilate information  strategy

Depends on:

Anticipated weeds

Spraying capacity:

1. FAR
2. Standard
3. Broadacre - phenmedipham + ethofumesate + met amitron + lenacil+ triflusulfuron-methyl

Strategy

Assimilate information \Longrightarrow strategy

Depends on:

Anticipated weeds

Spraying capacity

Pitfalls

1. Resistance







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Sample	Location	Reads	Pro197Ser	Pro197His	Pro197Leu	R mutations	Effective Control	R-Rating
1		9	2	6	1	9	0	RRR
2		10	0	1	9	10	0	RRR
3		10	4	2	1	7	30	RRR
4		8	0	8	0	8	0	RRR
5		9	0	1	4	5	44	RR
6		10	0	3	1	4	60	RR
7		10	0	10	0	10	0	RRR
8		9	0	5	2	7	22	RRR
9		10	0	3	0	3	70	RR
10		10	0	2	0	2	80	R?
11		10	0	0	0	0	100	S
12		9	0	2	0	2	78	R?

20 samples in total were analysed



3rd May



10th May



24th May



28th September



Strategy

Assimilate information \Longrightarrow strategy

Depends on:

Anticipated weeds

Spraying capacity

Pitfalls

1. Resistance
2. Weather









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Strategy

Assimilate information \Longrightarrow strategy

Depends on:

Anticipated weeds

Spraying capacity

Pitfalls

1. Resistance
2. Weather
3. Spray residues – soil and tank



Thank You

