



VELUM[®]
PRIME

Planning for the
second year





Into the second year of use

// Commercial use in 2019

// 2019 trials results

// Updated datasets

// Use of programmes

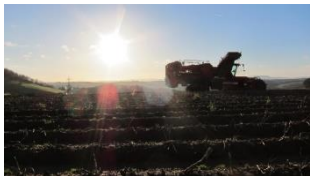
// Future label extensions





Velum label – key points

The details of a great new tool for British potato growers



Target Pests

Potato Cyst Nematode
(*Globodera rostochiensis* and *Globodera pallida*)

Low Dose Rate

0.625 L/ha

Application Method

In-furrow

Water Rate

200 – 500 L/ha reducible to 100 L/ha

Latest Timing

At planting

Harvest Interval

No harvest interval



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Commercial use in
launch year



What were agronomist experiences with Velum?



- “Very good consistent control of PCN seen and very clean skins to date”
- “Canopy more advanced”
- “After heavy rain I feel PCN performance was better with Velum on two fields”
- “It works & not a yard full of Vydate!”





How was Velum used?

Nematicide programmes and co-application



With granular nematicide	Without granular nematicide
38%	62%
With fungicide	Without fungicide
20%	80%





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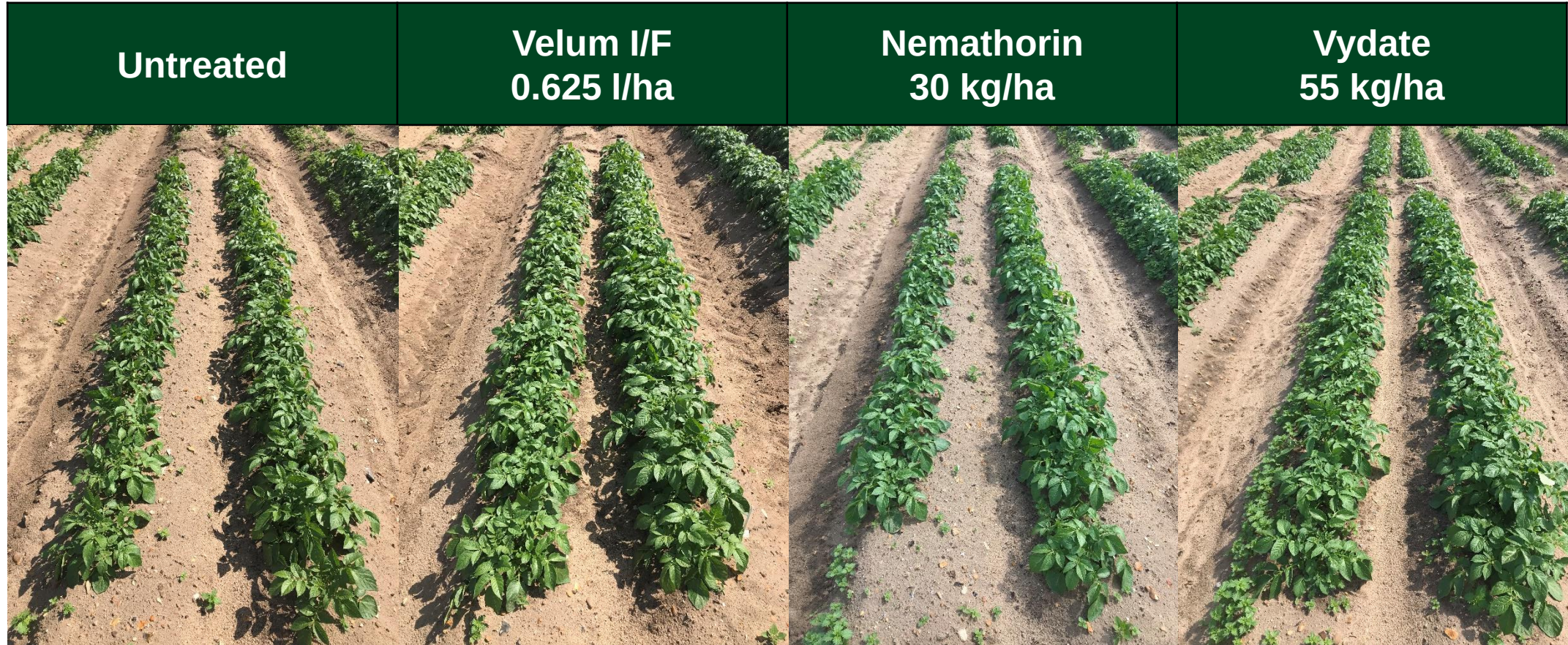
Launch year trials





Velum PCN- Ground cover, product comparison

VCS 2019 Trial, Suffolk, Pictures taken 6th June, 52 DAP

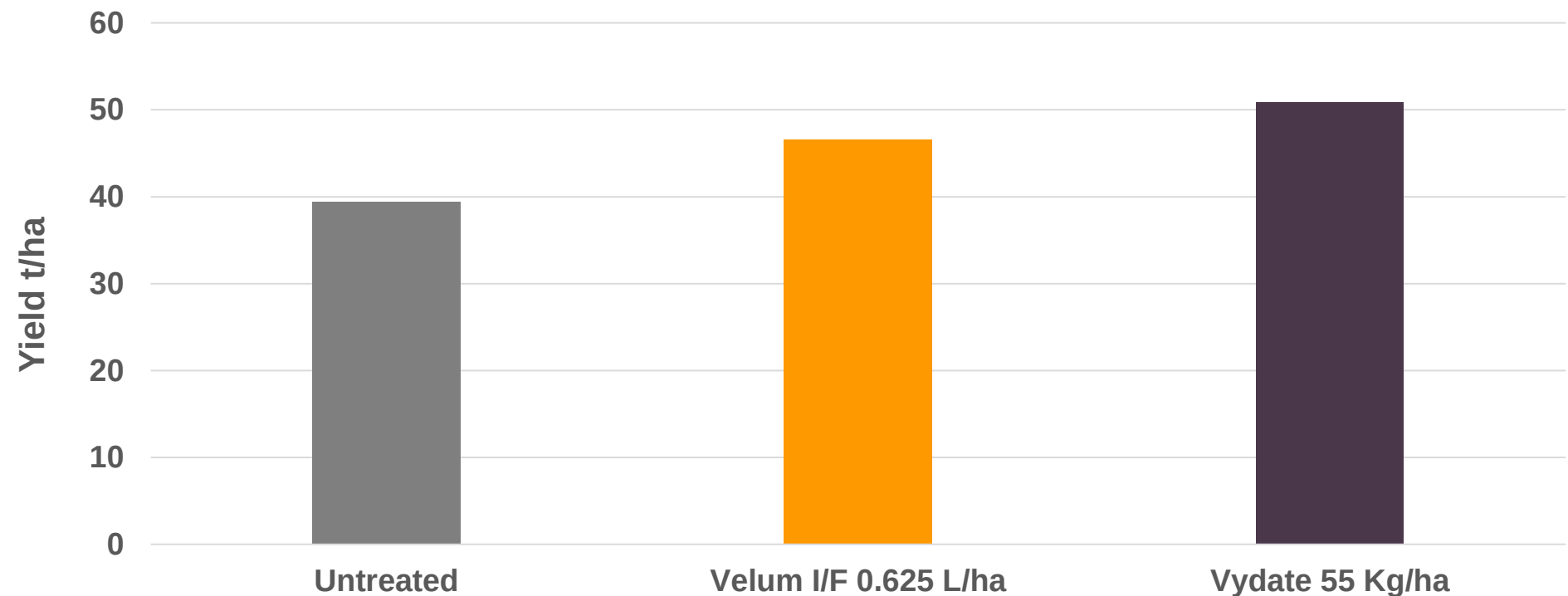


Sandy Loam, Cv. Maris Peer, Pi 42 eggs/g



Velum PCN Trials 2019 – Targeted to **high pressure** situations

4 x PCN trials, Gross Yield Results (t/ha)



Pf/Pi Value	% Reduction in Pf/Pi relative to Untreated	% Reduction in Pf/Pi relative to Untreated
13.08	43	43



Produce Solutions - Sandy Loam, Cv. Maris Piper, Pi 27 eggs/g. RAA - Silt Loam, Cv. Maris Peer, Pi 4 eggs/g. VCS – Sandy Loam, Cv. Maris Peer, Pi 42 eggs/g. SRUC – Sandy Loam, Cv. Maris Piper, Pi 49 eggs/g



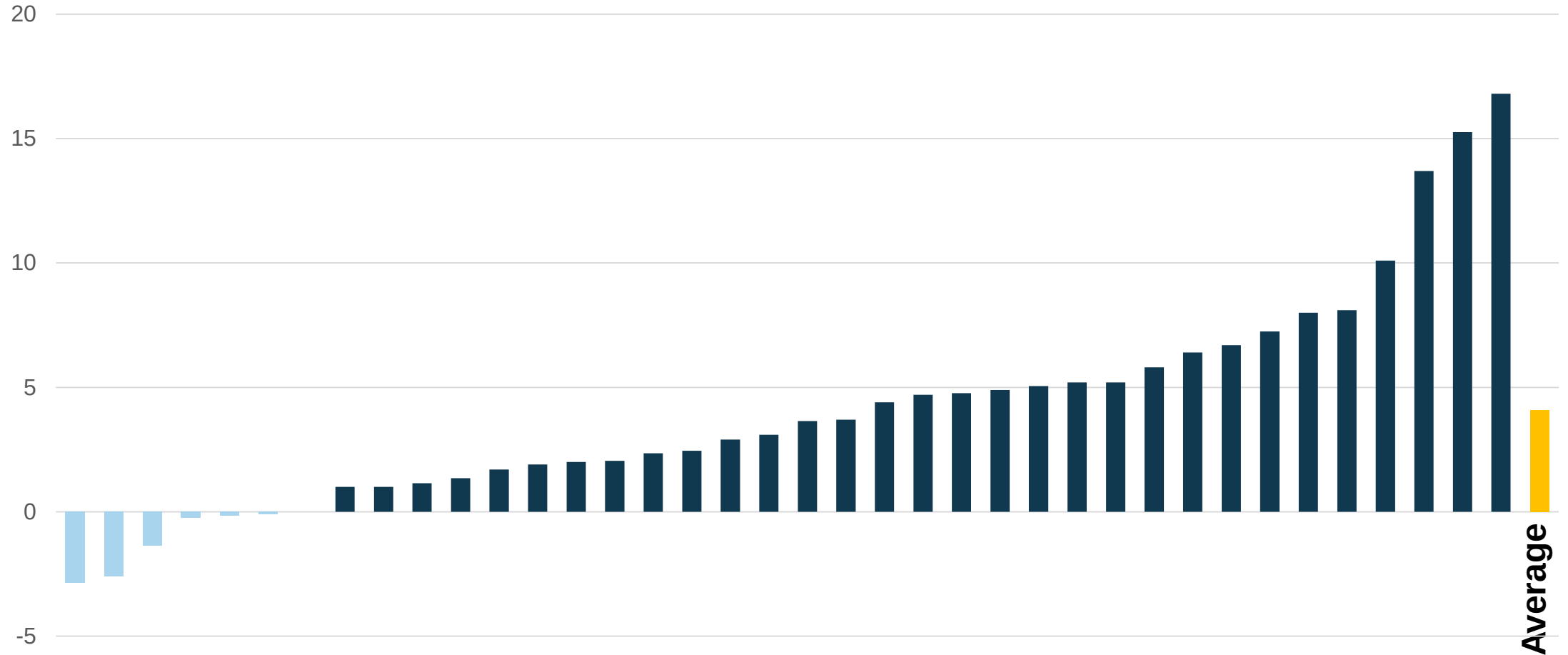
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Building a dataset



VELUM[®] PRIME delivers yield protection from PCN

Yield response comparing Velum Prime to untreated: A UK Summary





PCN population management

30 trials UK trials, 2012 – 2019 Velum Prime applied as B/I, IF or as an average of both



Untreated

$Pf/Pi = 5.0$



$Pf/Pi = 3.3$

Vydate

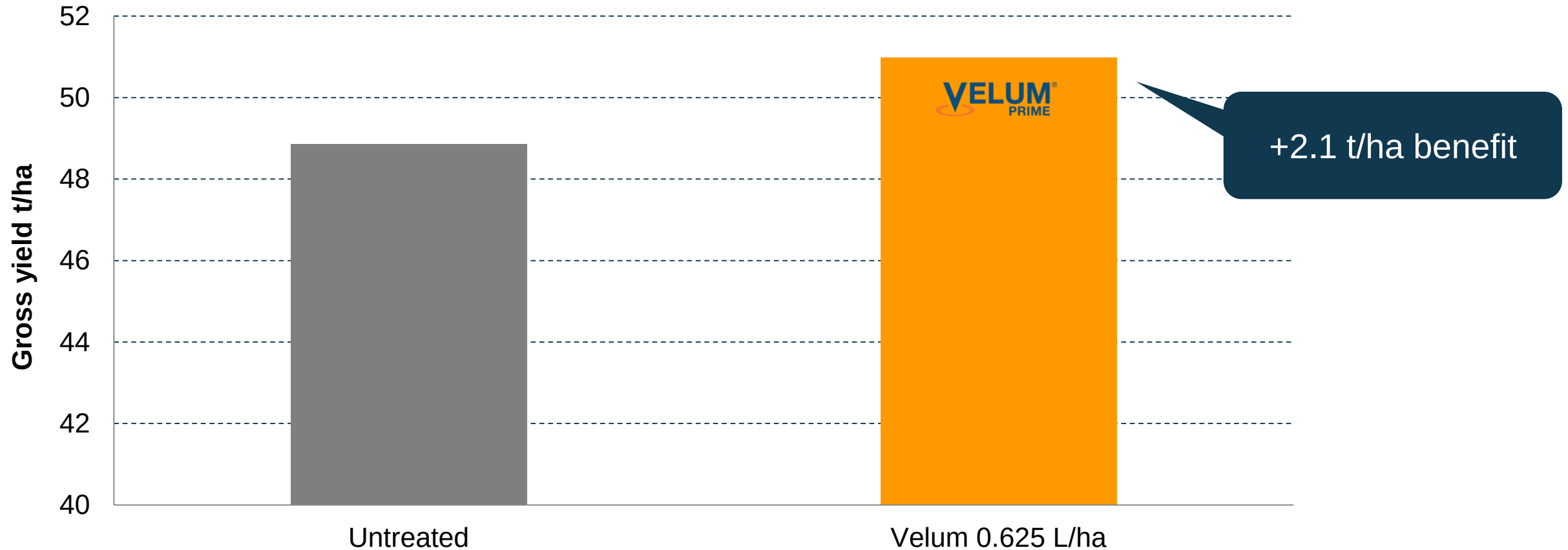
$Pf/Pi = 3.5$





Velum increases yield at PCN populations below 5 eggs/g

9 UK trials 2013-2019 – Pi below 5 eggs/g



Reduction in Pf/Pi relative to the UTC	41%
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	Pi	Pf/Pi
UTD	2.4	41.9



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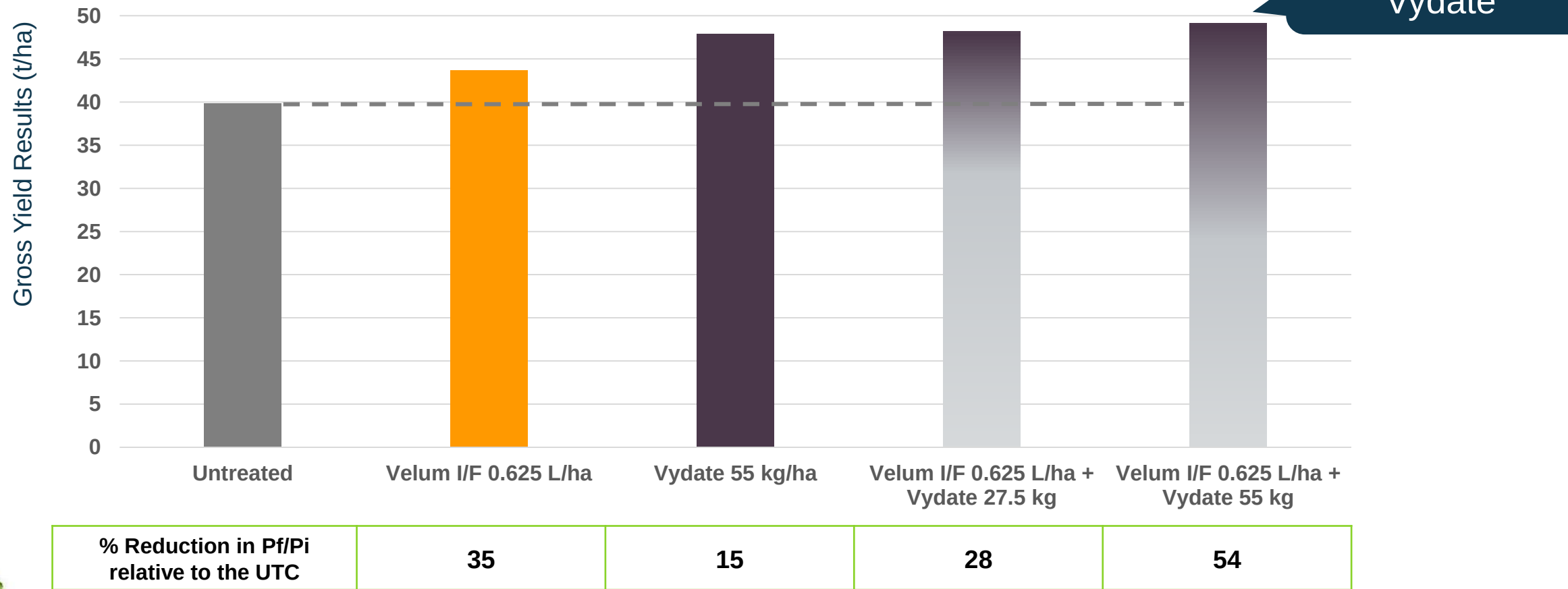
Velum in higher pressure
situations





Velum programmes deliver extra yield in high pressure situations

PCN Trials 2018/19 – 8 External trials



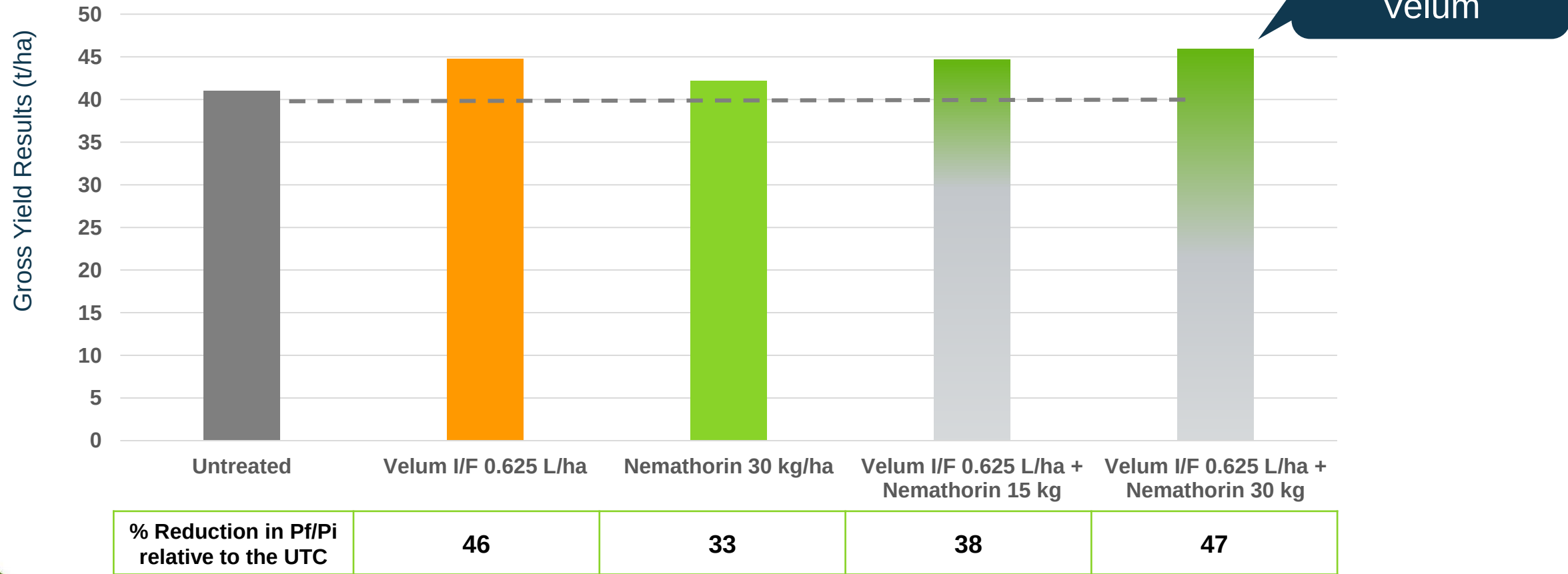
Soil types: Sandy/ Silt Loam, Cv: Maris Piper/ Peer,
Untreated average Pf/Pi value 32 eggs/g





Velum programmes deliver extra yield in high pressure situations

PCN Trials 2018/19 – 6 External trials



Soil types: Sandy/ Silt Loam, Cv: Maris Piper/ Peer,
Untreated average Pf/Pi value 36 eggs/g





Velum PCN Trial 2019: Produce Solutions

Location: Shropshire

Soil type: Sandy Loam

Cv: Maris Piper

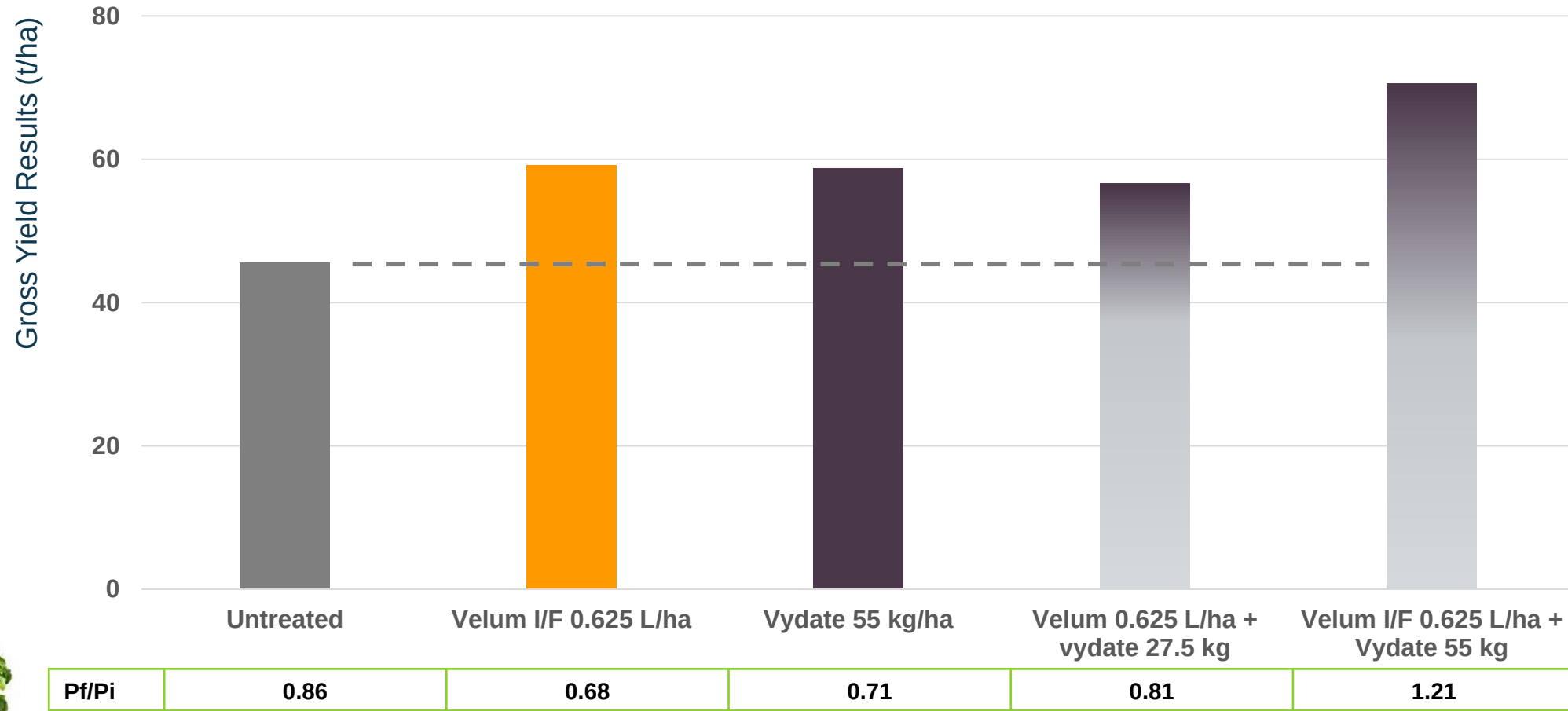
Pi: 27 eggs/g





Velum PCN Trial 2019

Produce Solution



Soil type: Sandy Loam, Cv. Maris Piper, Pi 27 eggs/g



Velum Prime Use



- In low pressure PCN situations Velum will provide yield protection and population management as part of an integrated PCN management plan.
- At higher pressures there are benefits from using a programme with granular nematicides, Velum Prime + ½ rate Vydate 10G or ½ rate Nemathorin 10G, for extra yield protection.
- Full rate Velum + full rate granule can be useful in some high pressure situations where large yield impacts from PCN are expected.





The story is not over yet...



Free Living Nematodes



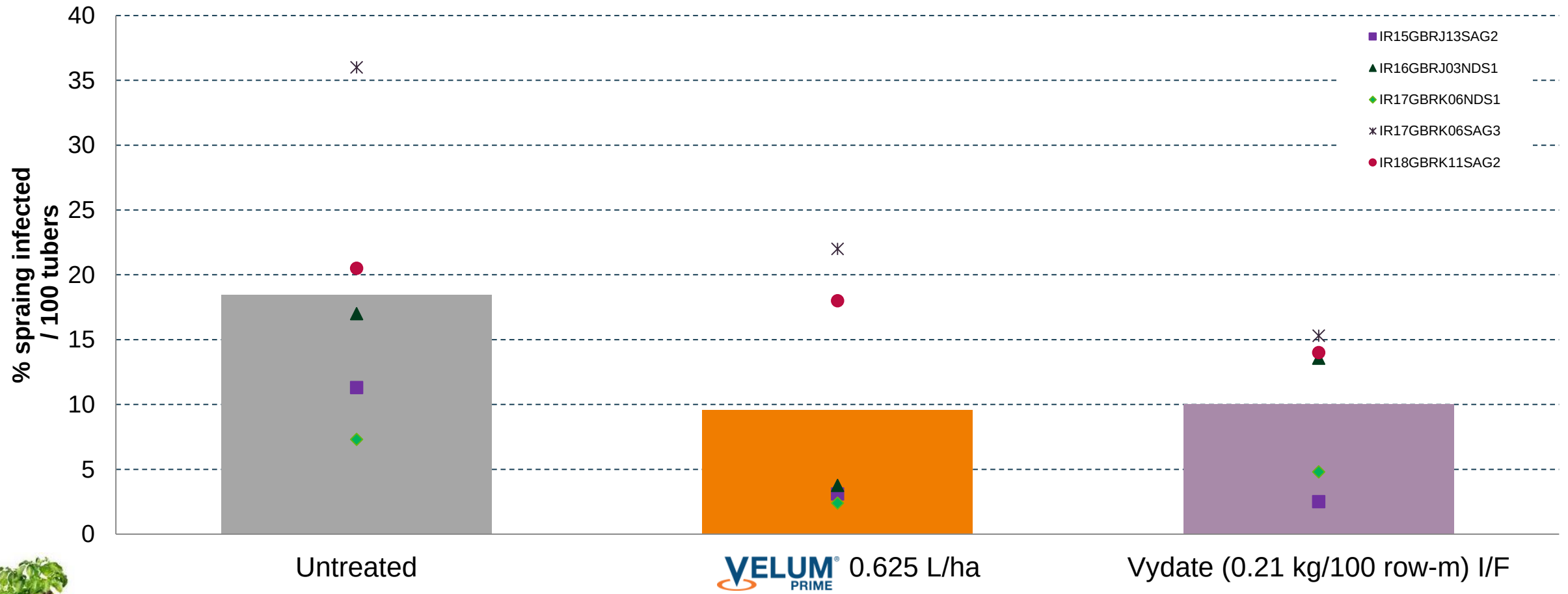
Causing: **Spraing**
(tobacco rattle virus TRV)





Free-Living Nematodes (FLN) and Spraing

2015-2018 Trial Results - % Spraing (TRV) Infected Tubers





Preparing for the second year with Velum

Sustainable potato production

- // Build on experience from launch year
 - // Good results with commercial use
 - // Further positive confirmatory trials data
- // Waiting for approval of broadcast application method
- // Backed up by Bayer support and knowledge transfer
- // *Changing the management of PCN*





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Any Questions?

Velum Prime contains Fluopyram. Velum Prime is a trade Mark of Bayer. Nemathorin contains fosthiazate . Vydate contains Oxamyl. All brands listed may be Trade Marks of other manufacturers and proprietary rights may exist.

Use plant protection products safely. Always read the label and product information before use. Pay attention to the risk indications and follow the safety precautions on the label.

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