

# Taegro- results and positioning

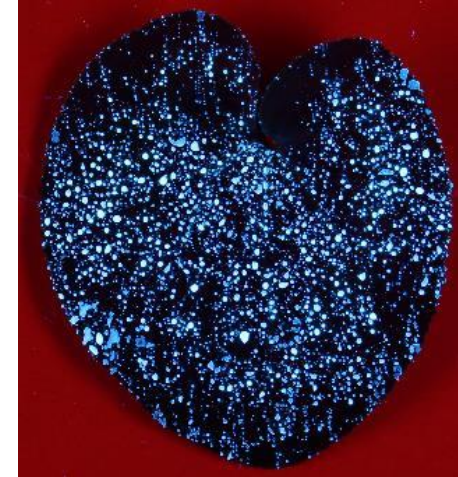
Marcel Hubers  
EAME Technical Manager



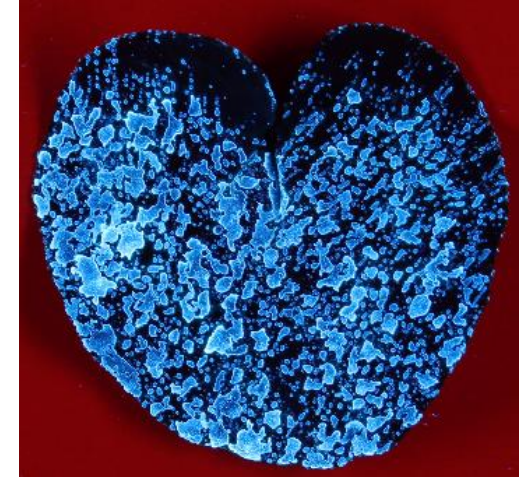
# What is Elasto G5?



- Elasto G5 is an adjuvant based on polyglycerol and coconut fatty acids
  - Improves coverage
  - Improves foliar uptake of an active ingredient
  - Improves retention without run off
  - Active longer in suspension
  - Green chemistry



Switch WG  
solo

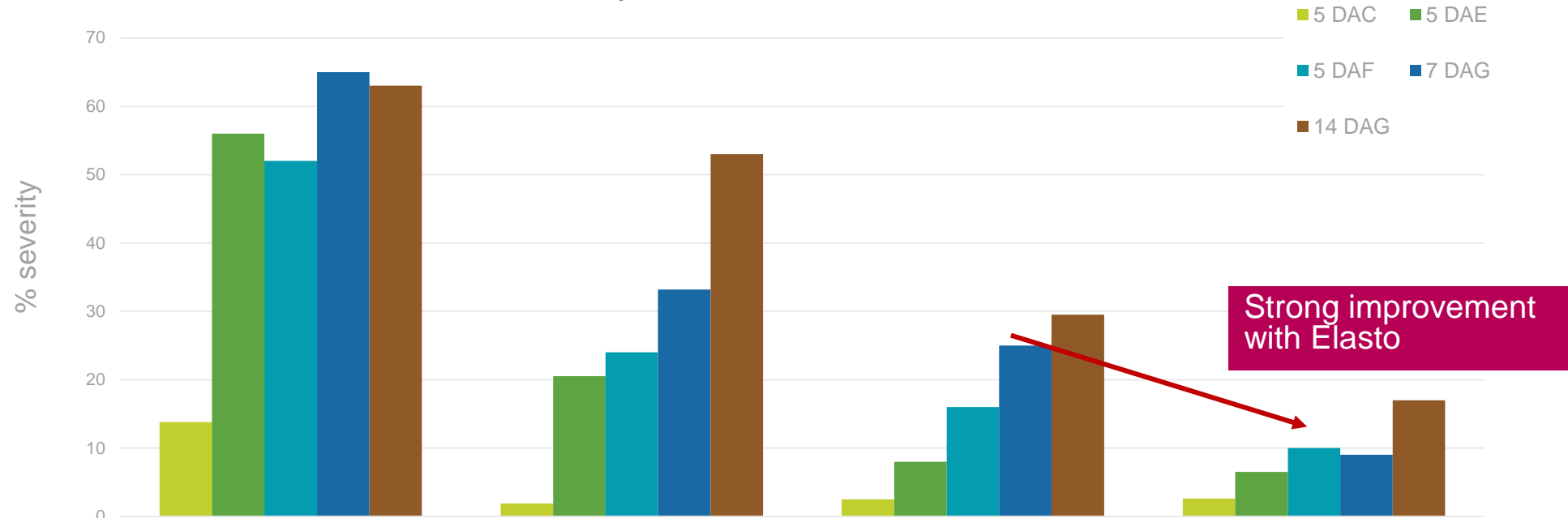


Switch &  
Elasto G5

**Elasto G5 is a crop friendly product and can be used in many ornamentals**

# Good performance of Taegro at low infection

Powdery mildew control in rose



Strong improvement with Elasto

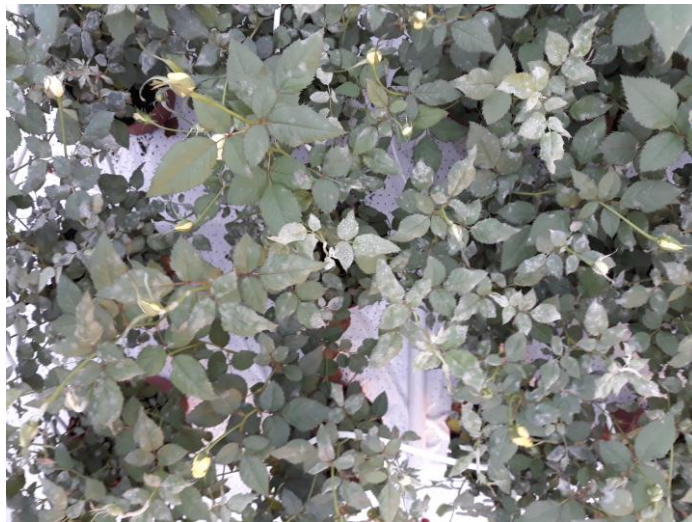
A	Water	Topaz 50ml	Topaz 50ml	Topaz 50ml
B	Water	Dodemorph 200ml	Dodemorph 200ml	Dodemorph 200ml
C	Water	Water	<b>Taegro 37g</b>	<b>Taegro37g/Elasto 250ml</b>
D	Water	Water	<b>Taegro 37g</b>	<b>Taegro37g/Elasto 250ml</b>
E	Water	Water	<b>Taegro 37g</b>	<b>Taegro37g/Elasto 250ml</b>
F	Water	Water	<b>Taegro 37g</b>	<b>Taegro37g/Elasto 250ml</b>
G	Water	Water	<b>Taegro 37g</b>	<b>Taegro37g/Elasto 250ml</b>

Dose rate per hl  
Watervolume 1500l



# Sphaeroteca pannosa potted roses

**Water**



**Topaz & Dodemorph**

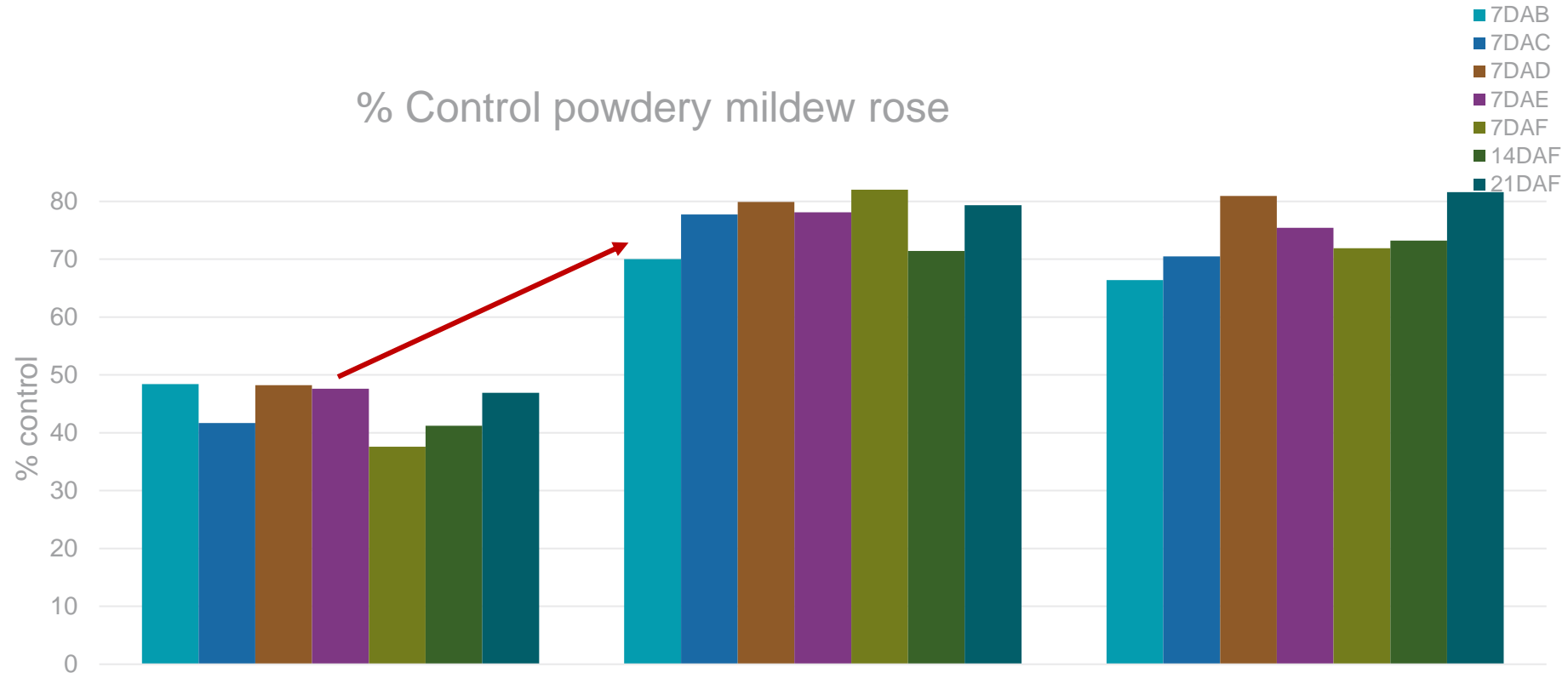


**Topaz, Dodemorph, Taegro**

**Topaz, Dodemorph, Taegro Elasto**

World Horti Center - Naaldwijk NL  
3 DAG

# Good performance of Taegro at low infection



A	Topaz 50ml	Topaz 50ml	Topaz 50ml
B	<b>Taegro 37g</b>	<b>Taegro37g/Elasto 250ml</b>	Topaz 50ml
C	<b>Taegro 37g</b>	<b>Taegro37g/Elasto 250ml</b>	Topaz 50ml
D	<b>Taegro 37g</b>	<b>Taegro37g/Elasto 250ml</b>	Topaz 50ml
E	<b>Taegro 37g</b>	<b>Taegro37g/Elasto 250ml</b>	Topaz 50ml
F	<b>Taegro 37g</b>	<b>Taegro37g/Elasto 250ml</b>	Topaz 50ml



# Sphaerotheca pannosa Potted roses

**Untreated**



**Taegro**



**Taegro Elasto**

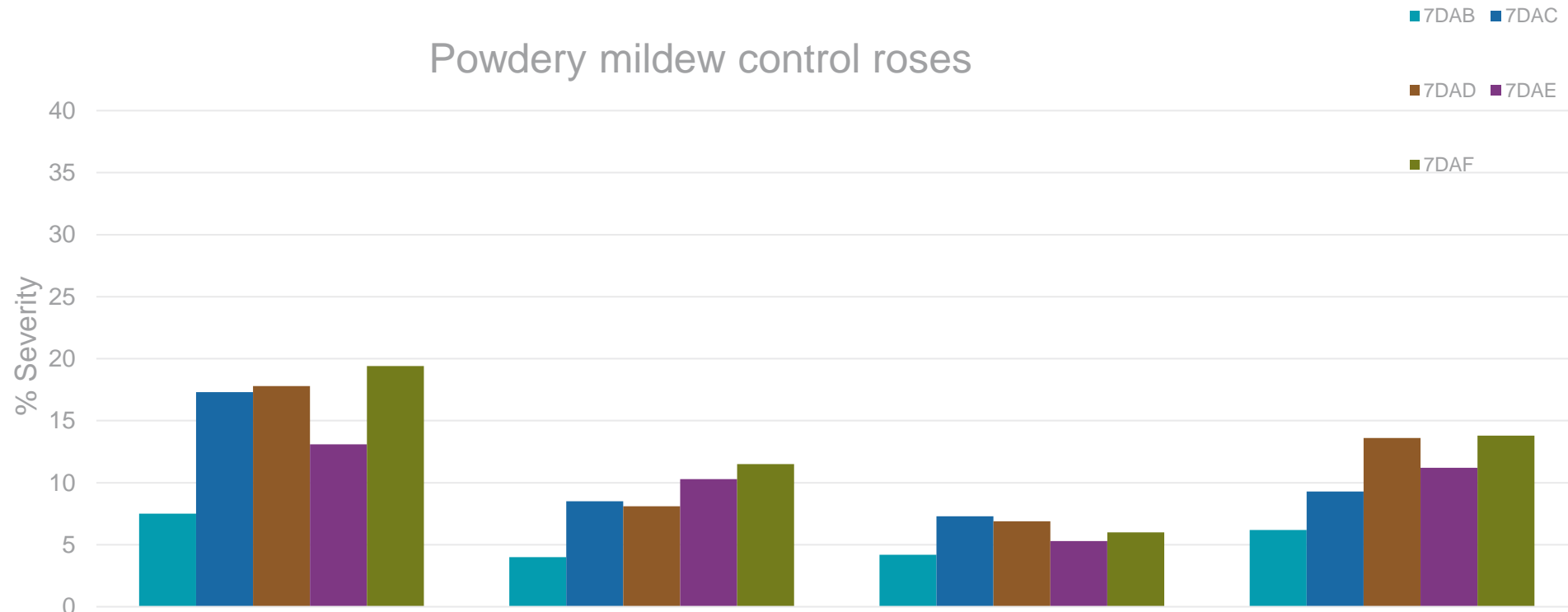


**Topaz**



Botany Horst NL  
22 DAF

# Taegro performs like competition, but with lower rates

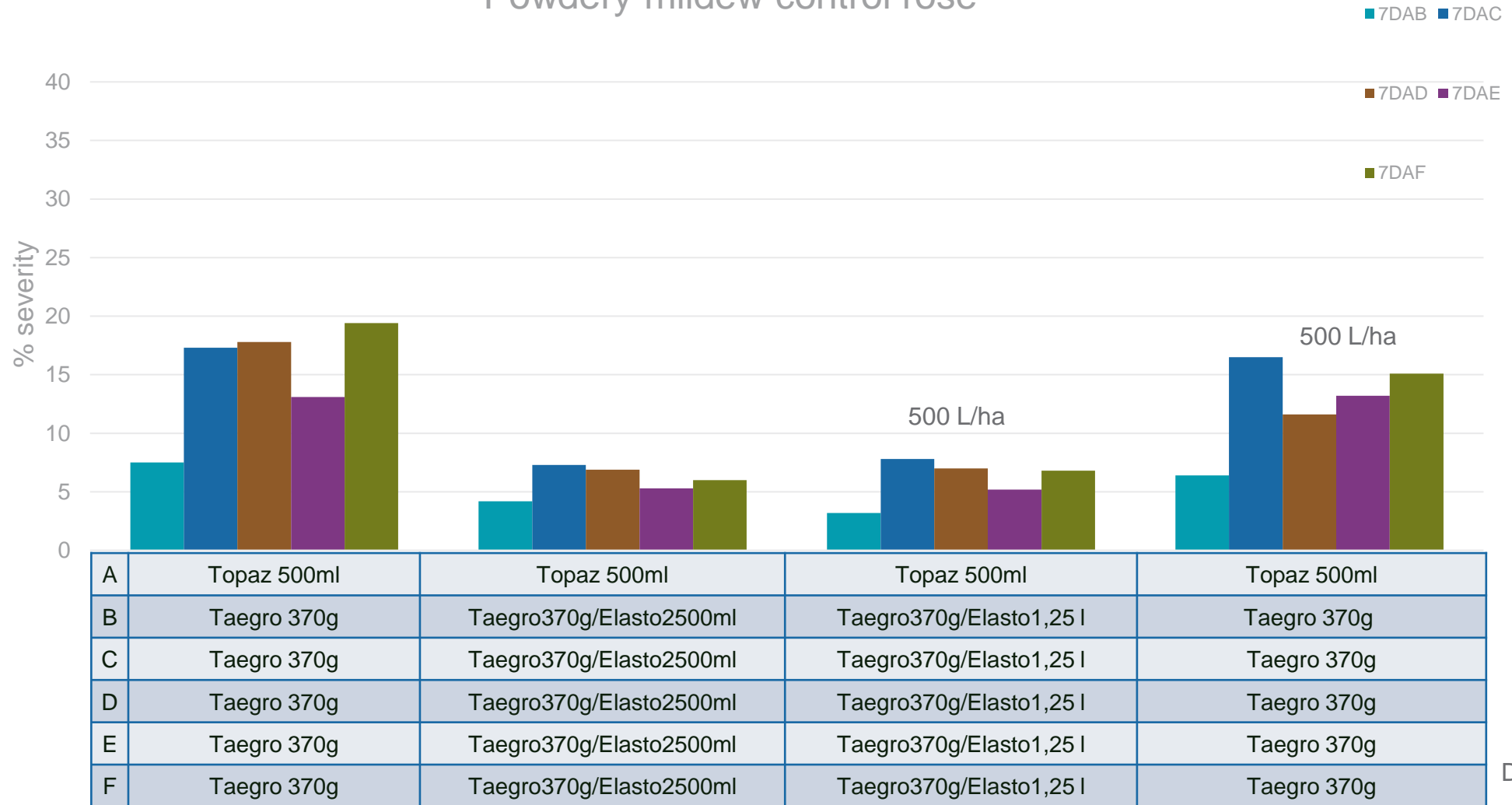


A	Topaz 50ml	Topaz 50ml	Topaz 50ml	Topaz 50ml
B	<b>Taegro 37g</b>	B.a. QST713 500ml	<b>Taegro37g/Elasto 250ml</b>	B.a. MBI600
C	<b>Taegro 37g</b>	B.a. QST713 500ml	<b>Taegro37g/Elasto 250ml</b>	B.a. MBI600
D	<b>Taegro 37g</b>	B.a. QST713 500ml	<b>Taegro37g/Elasto 250ml</b>	B.a. MBI600
E	<b>Taegro 37g</b>	B.a. QST713 500ml	<b>Taegro37g/Elasto 250ml</b>	B.a. MBI600
F	<b>Taegro 37g</b>	B.a. QST713 500ml	<b>Taegro37g/Elasto 250ml</b>	B.a. MBI600

Dose rate per hl  
Watervolume  
1000l

# Good performance with lower water volumes

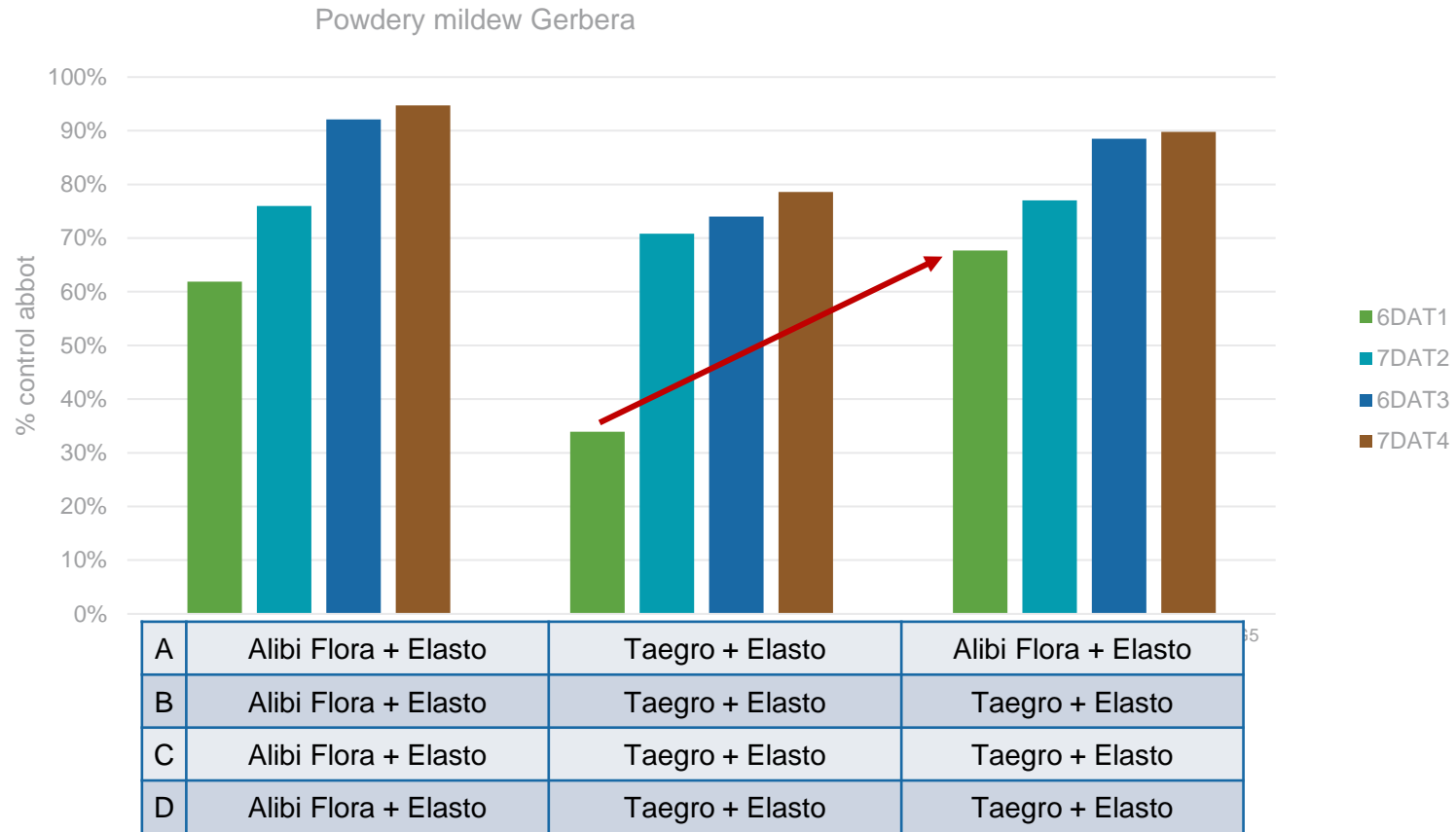
## Powdery mildew control rose



Dose rater per ha



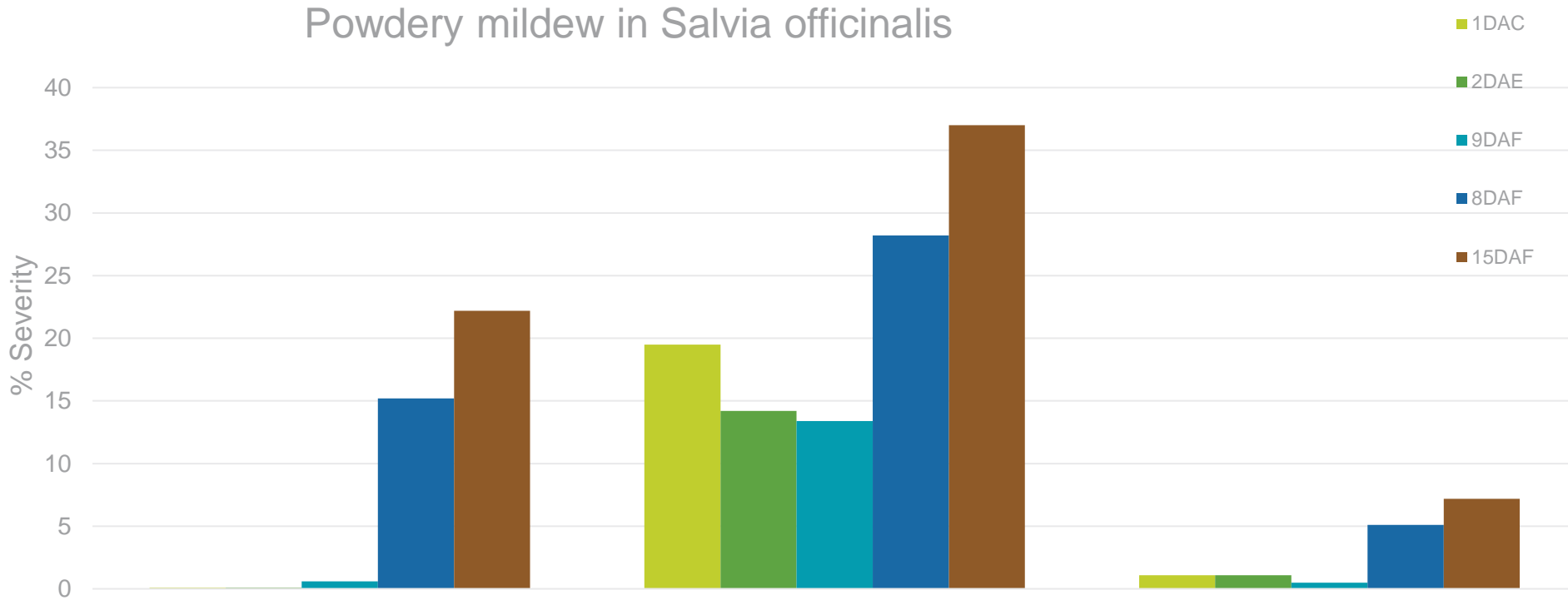
# Strong performance in IPM approach



Artificial infection  
Interval 7 days

WHC - NL 2020

# Strong performance in IPM approach



A	Alibi Flora	Taegro 370g	Taegro370g/Elasto250ml
B	Taegro 370g	Taegro 370g	Taegro370g/Elasto250ml
C	Taegro 370g	Taegro 370g	Taegro370g/Elasto250ml
D	Taegro 370g	Taegro 370g	Taegro370g/Elasto250ml
E	Taegro 370g	Taegro 370g	Taegro370g/Elasto250ml
F	Taegro 370g	Taegro 370g	Taegro370g/Elasto250ml

Watervolume  
1000l

# Taegro in biological programs

	Product	Rate	Nr. Appl.	Appl. timing
1	Check water	-	6	Start
2	Taegro	370 gr/ha	6	Start
3	Taegro + Elasto	370 gr/ha + 0.25 L/100L	6	Start
4	COS-OGA	4 L/ha	6	Start
5*	Taegro + COS-OGA	370 gr/ha + 4 L/ha	6	Taegro start; COS-OGA at first signs PM
6*	Water + COS-OGA	1200 L/ha + 4 L/ha	6	Water start; COS-OGA at first signs PM

Crop: Gerbera  
 Target: Powdery Mildew  
 4 replications  
 Water volume: 1200 l/ha  
 Infestation: natural

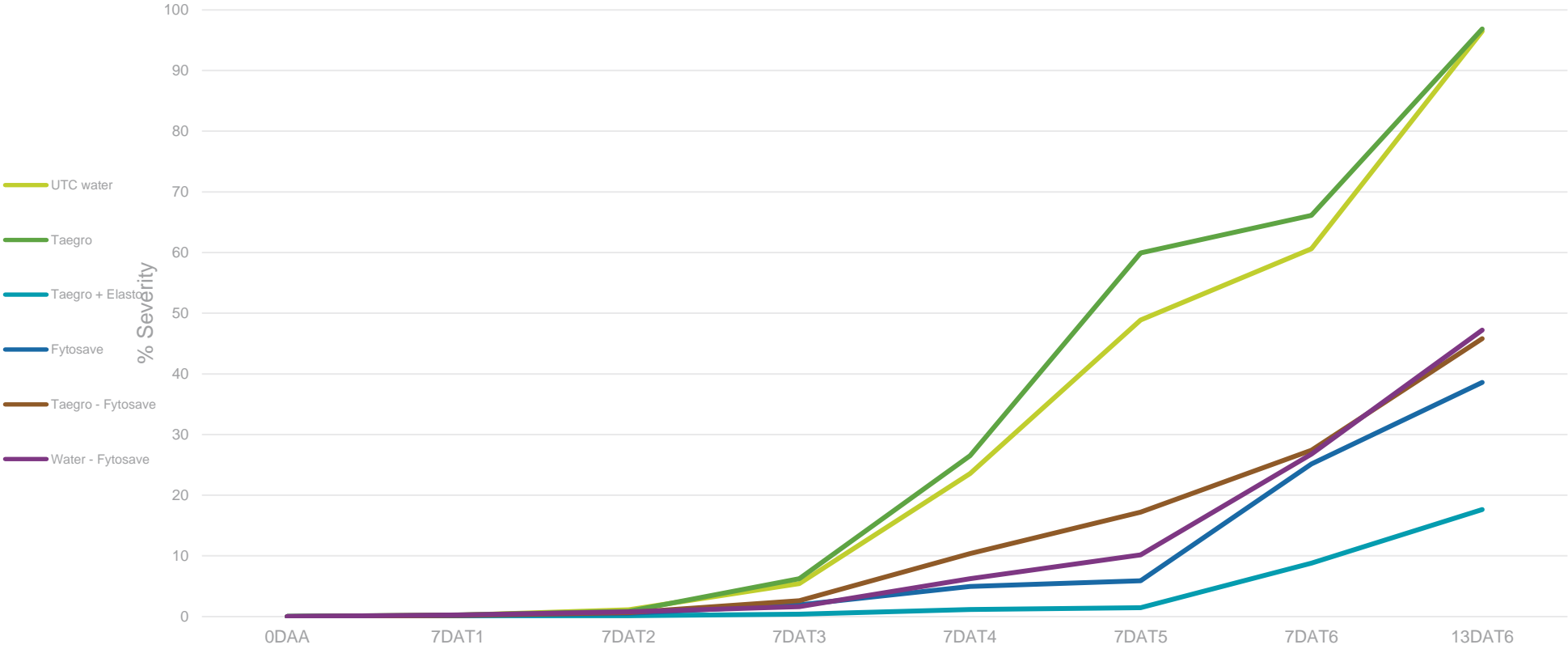


\*COS-OGA added from T3

T1	13-05-2022
T2	20-05-2022
T3	27-05-2022
T4	02-06-2022
T5	09-06-2022
T6	15-06-2022



# Biologicals against powdery mildew



**Taegro combinations performed best**

# Taegro in ornamentals

- Taegro performs better in combination with Elasto:
  - Better coverage
  - Improved retention
  - Longer germination time due to the positive effect of the Elasto formulation
- Start preventative/low infection → IPM approach
- Good fit with other biologicals

# Taegro- other crops



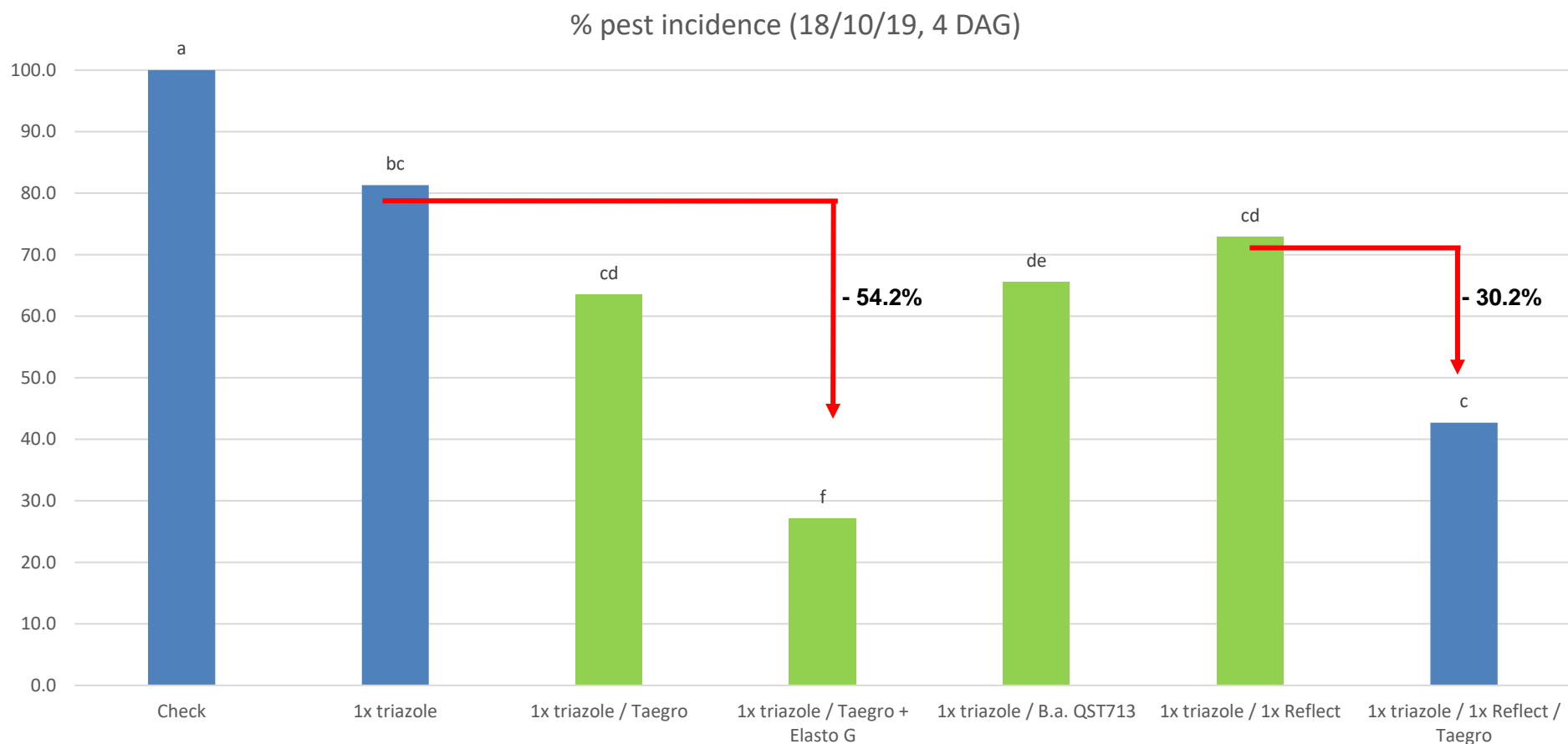


A photograph of several green cucumbers hanging from a vine. The cucumbers are long and slender, with some showing slight yellowing at the stem. The background is a blurred greenhouse structure. Overlaid on the image are several decorative white outlines of leaves and stems, arranged in a circular pattern around the central text.

**CUCUMBER  
PROTECTED  
TRIALS**

# Cucumber (GH) Powdery mildew

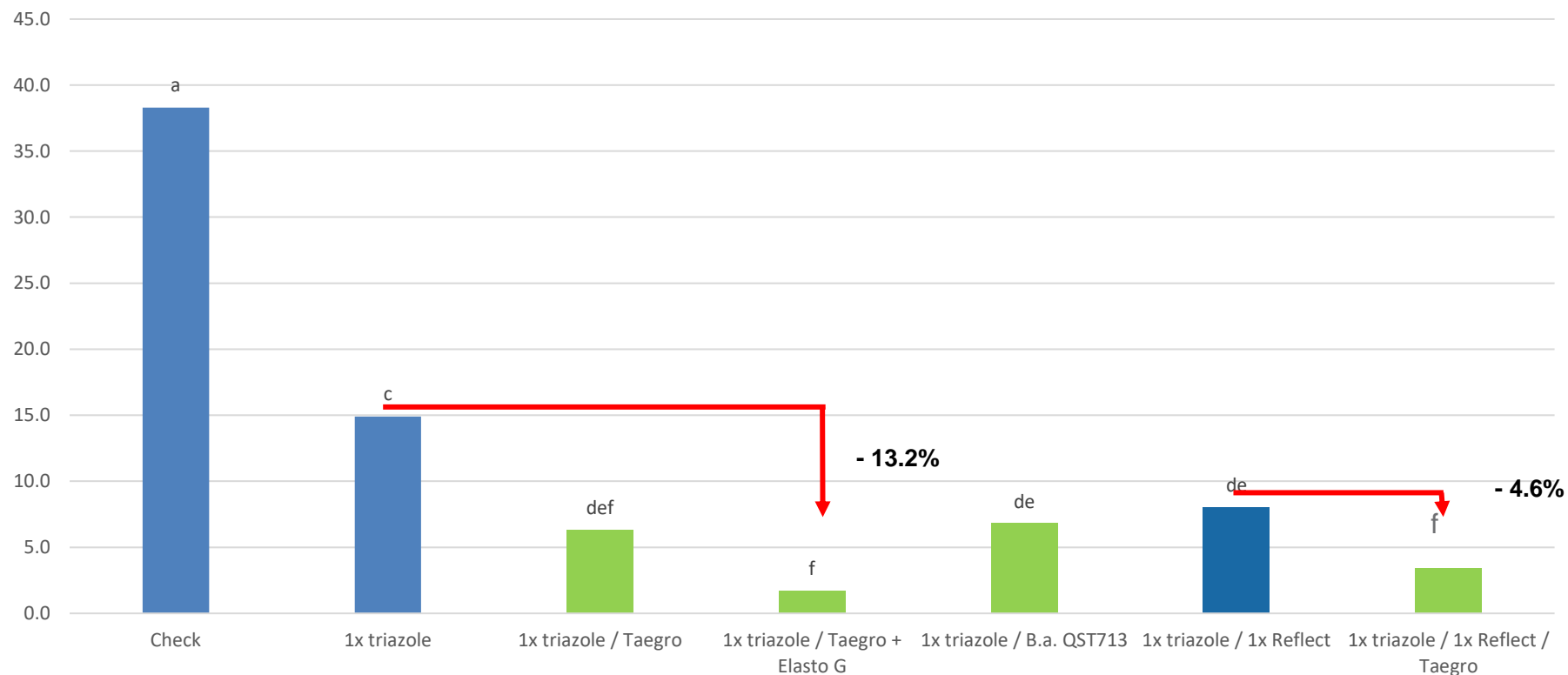
Clear Taegro contribution especially in combination with Elasto G.  
Taegro (without Elasto G) comparable to competition



# Cucumber (GH) Powdery mildew

Clear Taegro contribution especially in combination with Elasto G.  
Taegro (without Elasto G) comparable to competition

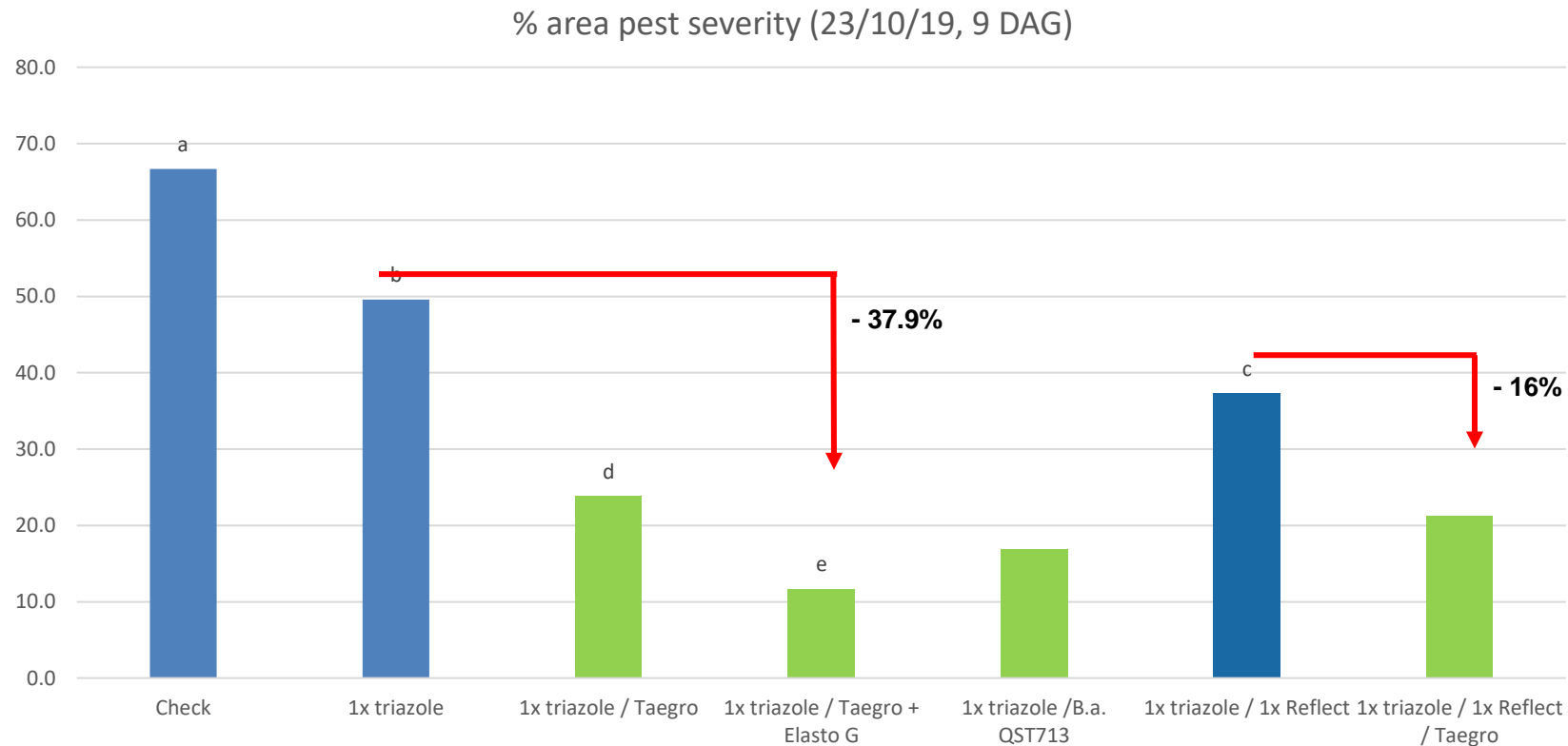
% area pest severity (18/10/19, 4 DAG)





# Cucumber (GH) Powdery mildew

Differences become bigger when several days after the chemicals sprays have been passed.



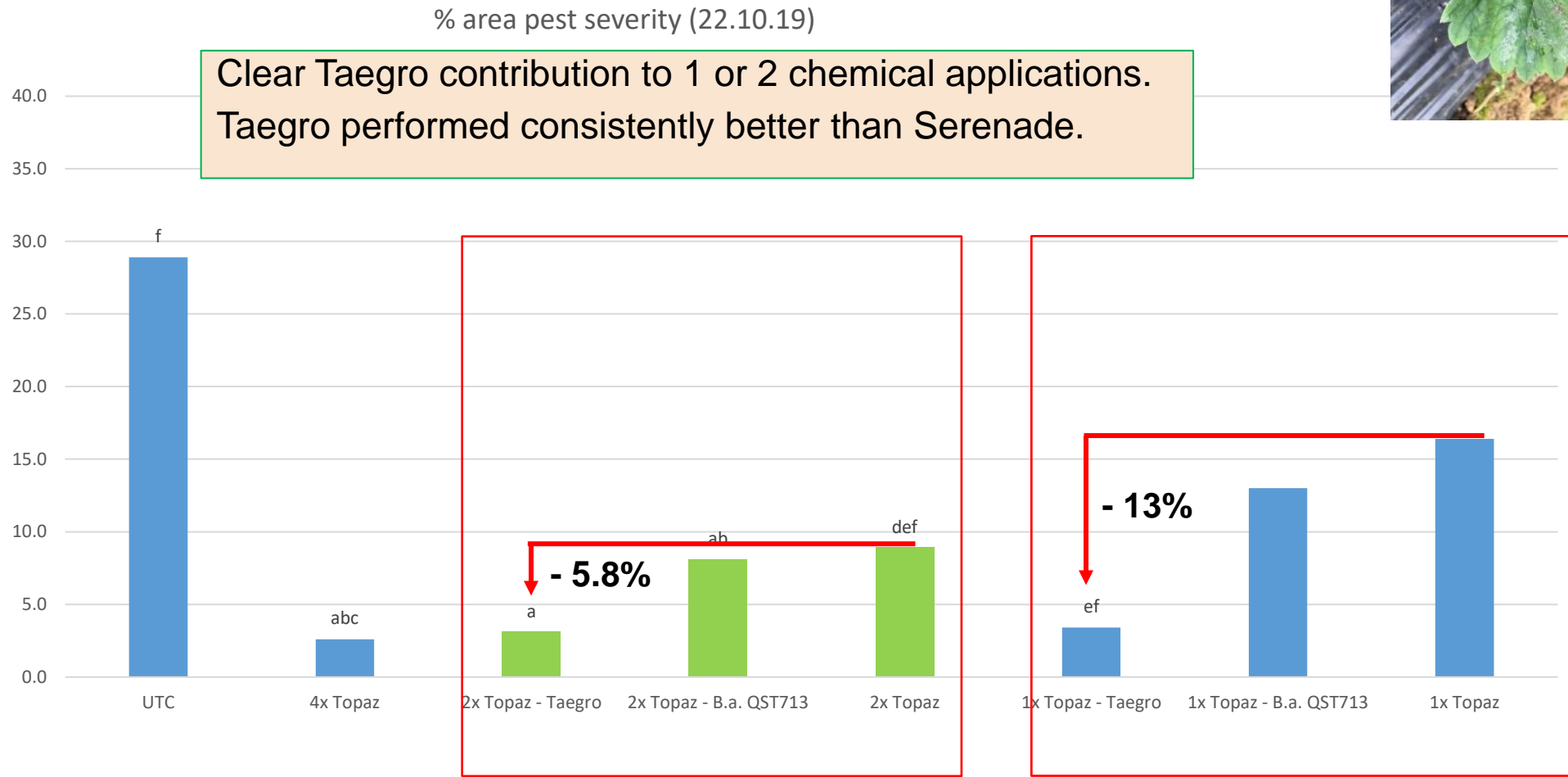




**RECOMMENDATION**  
**TAE GRO<sup>®</sup> IS ADAPTABLE TO**  
**MOST ENVIRONMENTS**



# Strawberry (Powdery mildew)





# Storage diseases strawberry

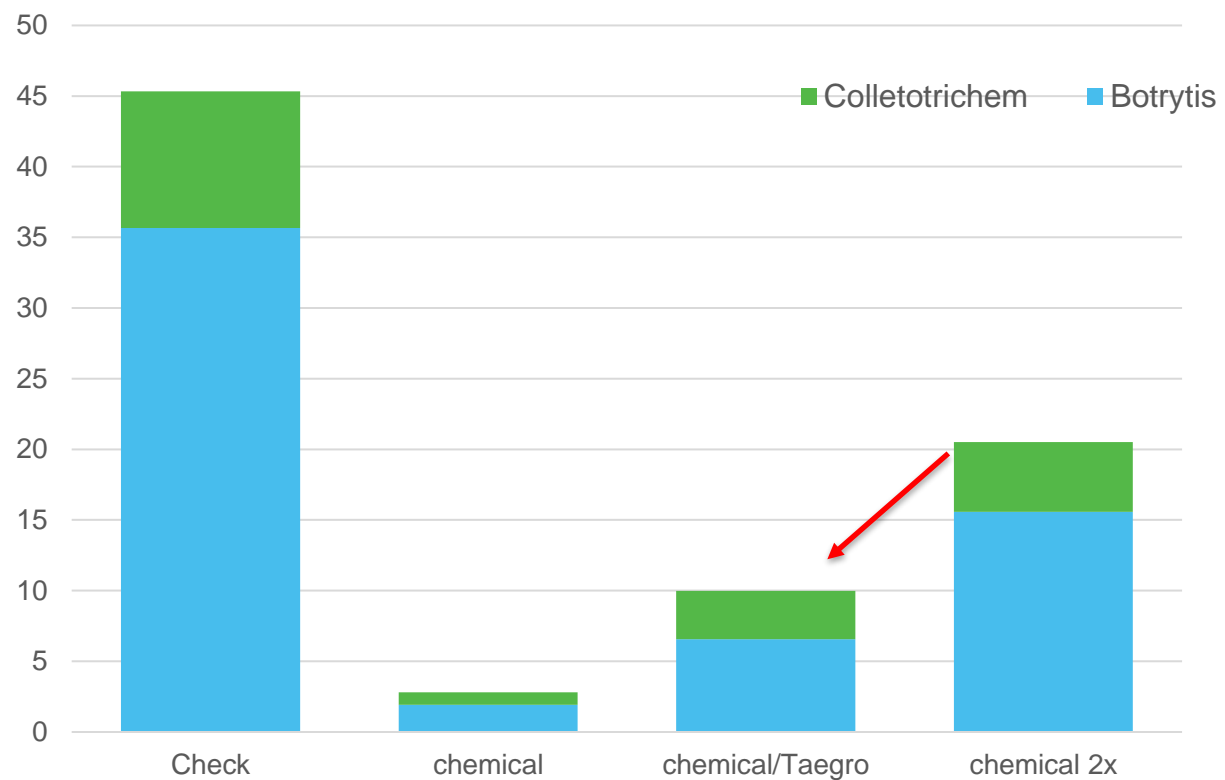


14.08	20.08	28.08	02.09	07.09	11.09	16.09	21.09
Check	Check	Check	Check	Check	Check	Check	Check
Chemical	Chemical	Chemical		Chemical			
Chemical	Chemical	Taegro (0.370)	Taegro (0.370)	Taegro (0.370)	Taegro (0.370)	Taegro (0.370)	Taegro (0.370)
Chemical	Chemical						



# Storage diseases strawberry

All yields: 7d storage + 3d display



Clear added value of Taegro after 2x chemical



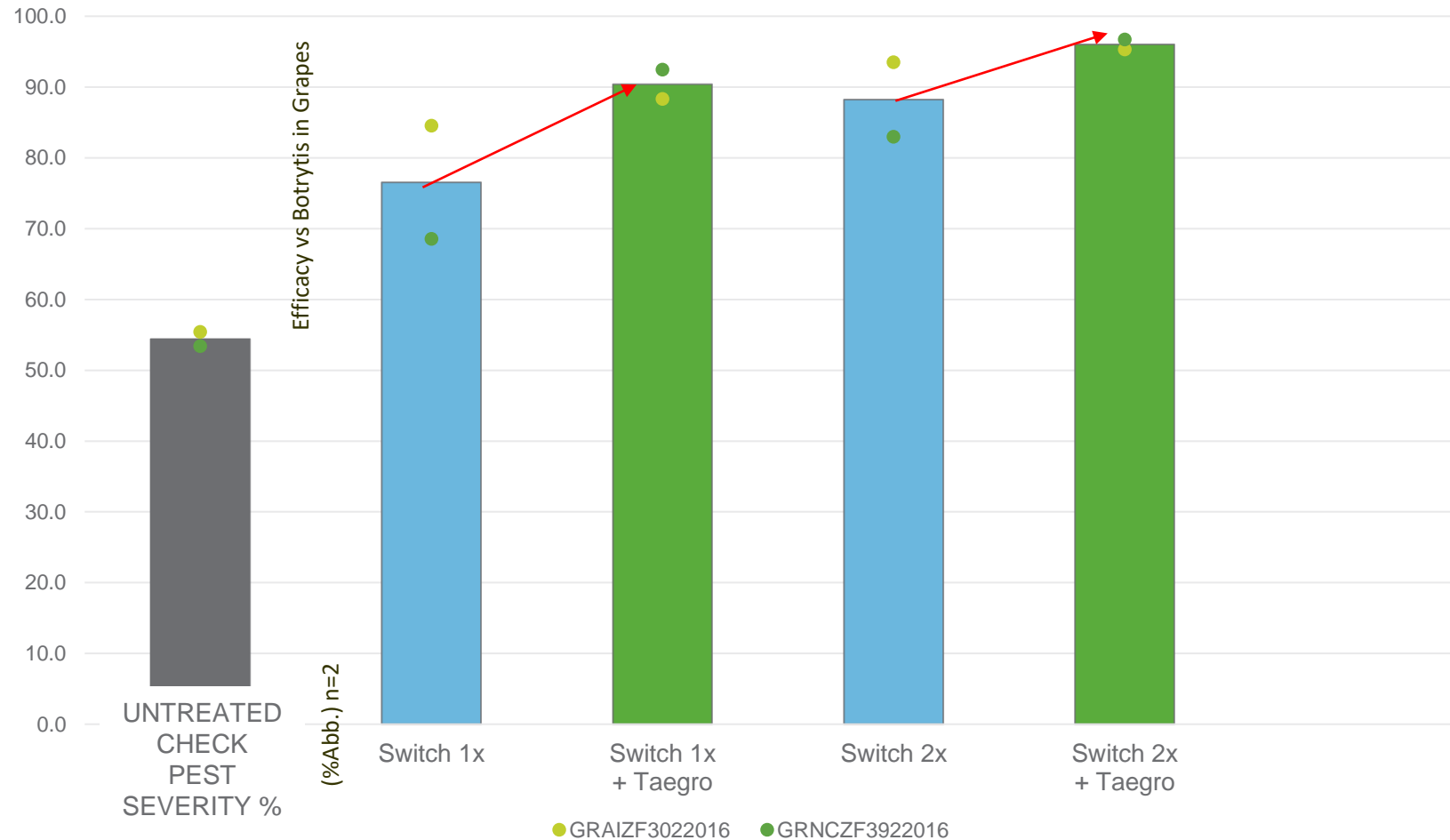
# WINE AND TABLE GRAPES

# Programs in Botrytis Grapes: TAEGRO combinations









TRTs	Weeks				
	A (Bunch closure)	B (Color change)	B + 14 days	B + 21 days	B + 28 days
1					
2	SWITCH				
3	SWITCH	TAEGRO	TAEGRO	TAEGRO	TAEGRO
4	SWITCH	SWITCH			
5	SWITCH	SWITCH	TAEGRO	TAEGRO	TAEGRO
Rates / ha (full canopy)					



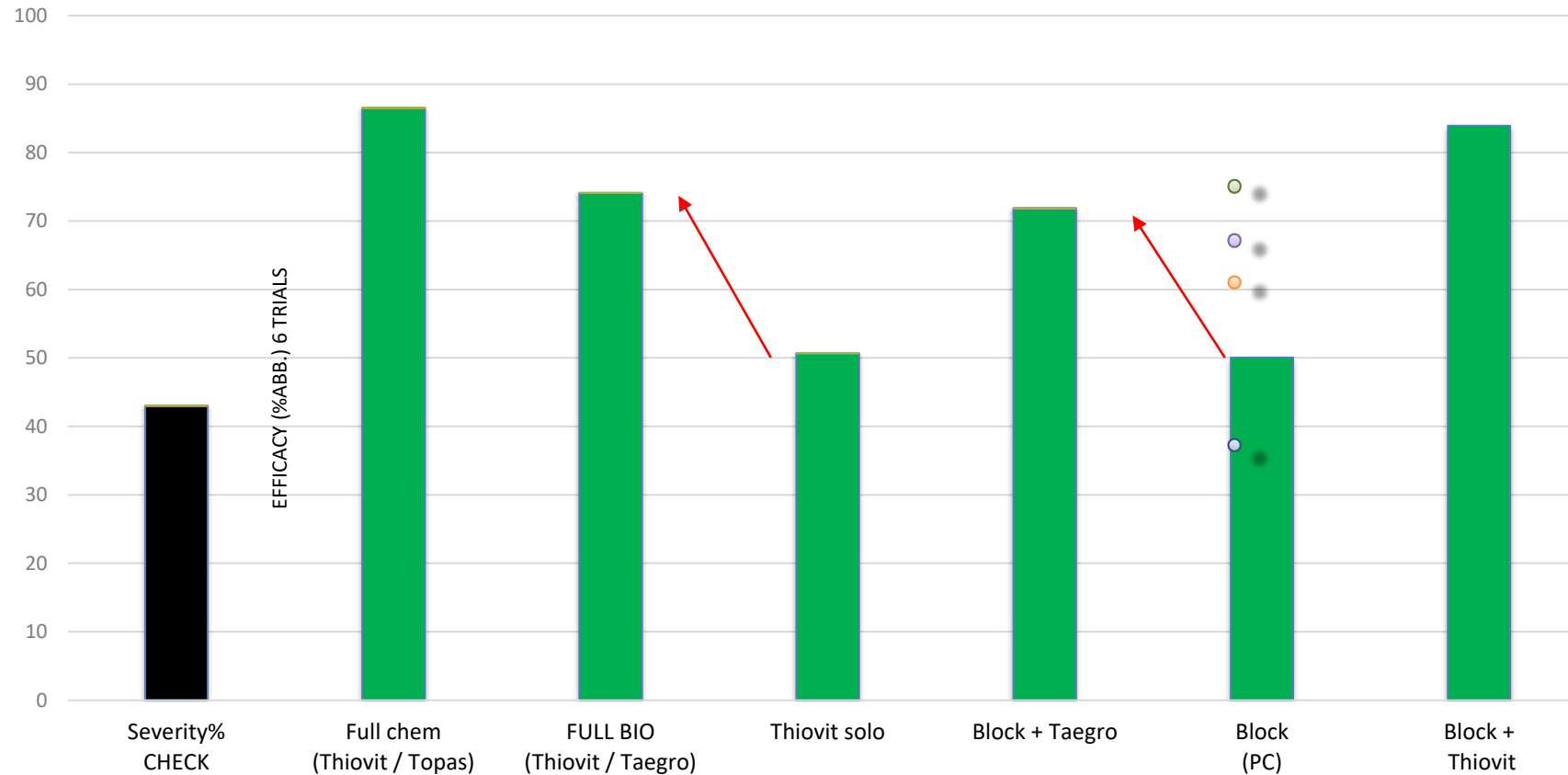
# Contribution of Taegro to the Switch combinations tested



# Grapes PM: Pre and Post flowering strategies

TRTs	Weeks									
	w1	w2	w3	w4	BBCH69-71	w5	w6	w7	w8	
1										
2	THIOVIT	TOPAS	THIOVIT	TOPAS			THIOVIT	TOPAS	THIOVIT	TOPAS
3	THIOVIT		THIOVIT				THIOVIT		THIOVIT	
4	THIOVIT		THIOVIT				THIOVIT		THIOVIT	
5	THIOVIT	TOPAS	THIOVIT	TOPAS						
6	THIOVIT	TOPAS	THIOVIT	TOPAS			THIOVIT	THIOVIT	THIOVIT	THIOVIT
7	THIOVIT	TOPAS	THIOVIT	TOPAS						
4 – 6 appl				4 – 6 appl						
Rates / ha (full canopy)										

# Taegro contributes 20% efficacy on top of alternation and block programmes in Powdery Mildew in Grapes



# Taegro biofungicide

- Strong biofungicide against Powdery mildew and botrytis
- Start preventative/at low infection
- Good alternation partner in IPM programs
- Elasto G5 improves performance
- Safe for all crops