



Prove di difesa contro *Glomerella Leaf Spot* del melo

M&M



LOCALITÀ

Savarna (RA)

DISEGNO SPERIMENTALE

Blocchi randomizzati con 3 ripetizioni e parcelle di 5 piante

VARIETÀ

Melo - Gala

EQUIPAGGIAMENTO

Nebulizzatore spalleggiato (Sthil SR 430) tarato per distribuire 1000 l/ha

RILIEVI: 15 germogli da 14 foglie (210)/plot:

19/08; 01/09; 16/09

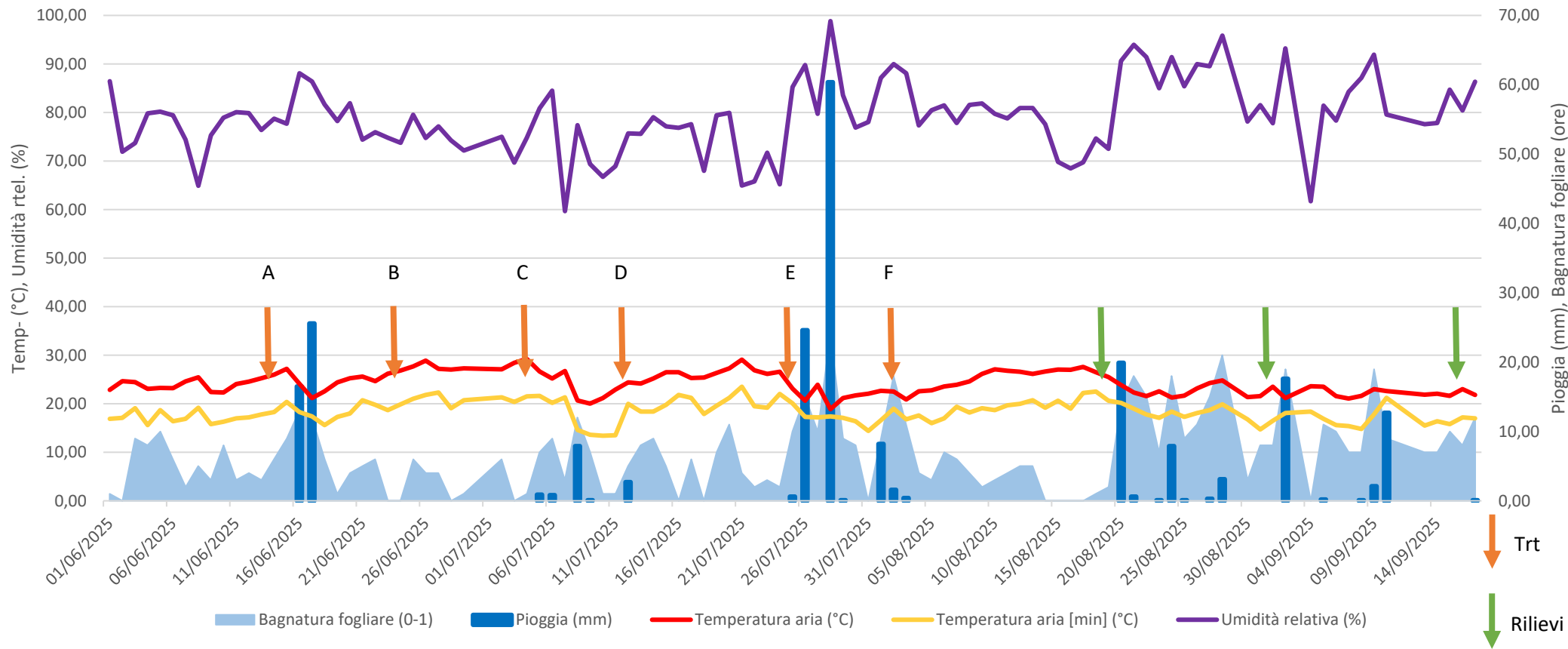
ANALISI STATISTICA:

Analisi varianza (ANOVA) Test Duncan's new MRT ($p \leq 0,05$)

Protocollo Prova prodotti Prod. Integrata

Tesi	Prodotto	P. Attivo	Conc. P.a. (	Formulazione	Dose (L o kg/Ha)
1	TEST	-		-	-
2	DELAN 70WG	Dithianon	70 (%)	WG	0,75
3	DELAN 70WG	Dithianon	70 (%)	WG	0,50
4	DELAN PRO	Dithianon + Fosfonato di K	125+561 (g/L)	SC	2,5
5	MERPAN 80 WDG	Captano	800 (g/L)	WG	2
6	PENNCOZEB DG	Mancozeb	75 (%)	WG	2,1
7	SYLLIT 544 SC	Dodina	544 (g/L)	SC	1,38
8	CENTURY PRO	Fosfonato di K	755 (g/L)	SL	1,9
9	NANDO MAXI	Fluazinam	500 (g/L)	SC	1,5
10	SIP41061	Proticonazolo	400 (g/L)	SC	0,3

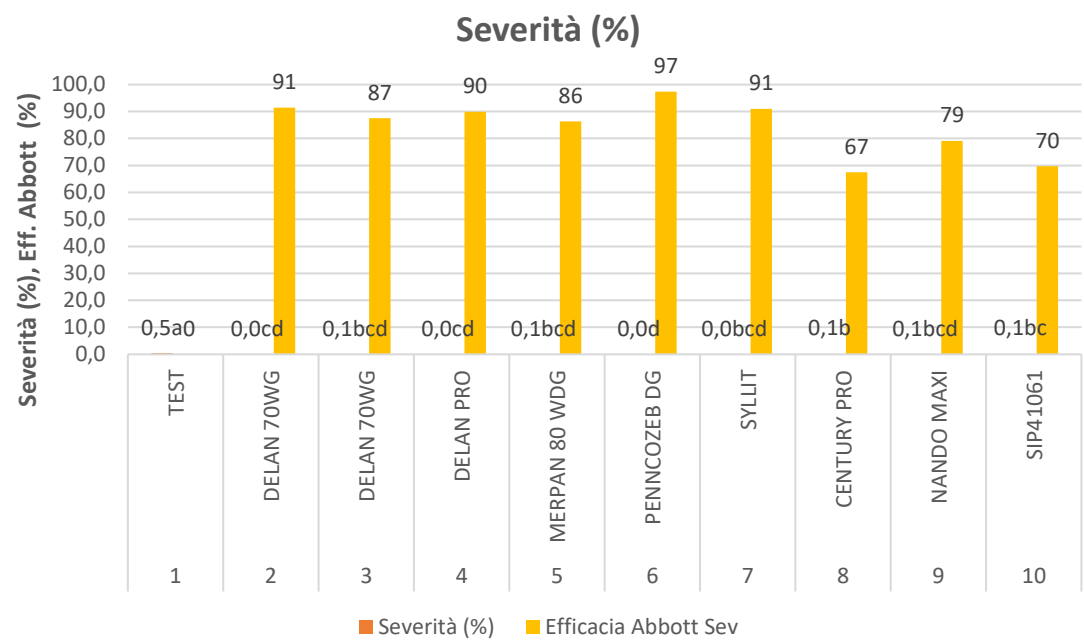
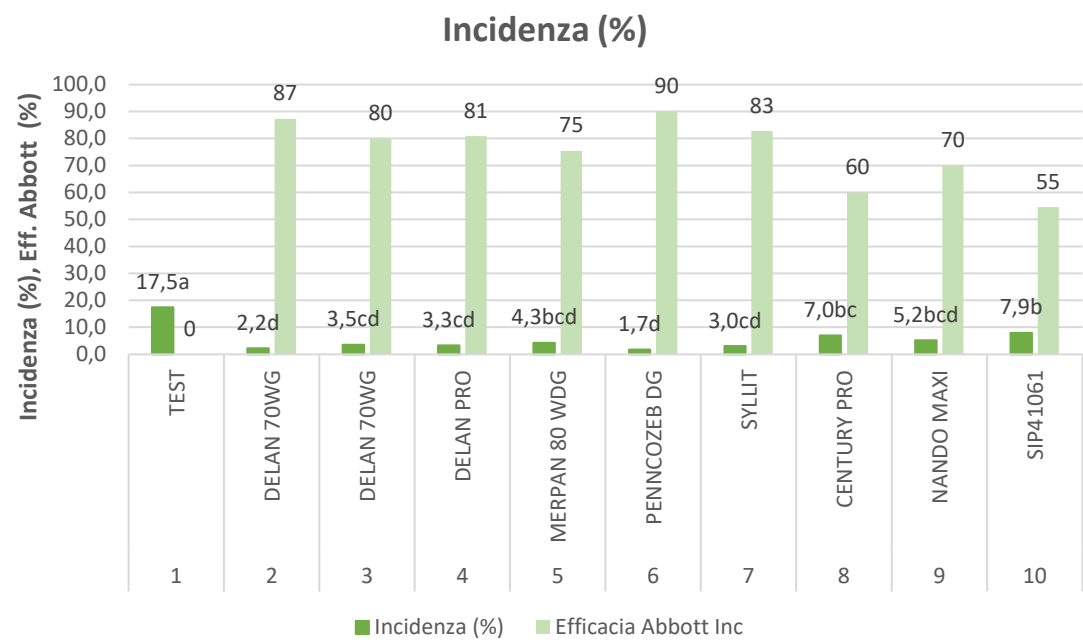
Andamento Meteo Quad. S. Alberto



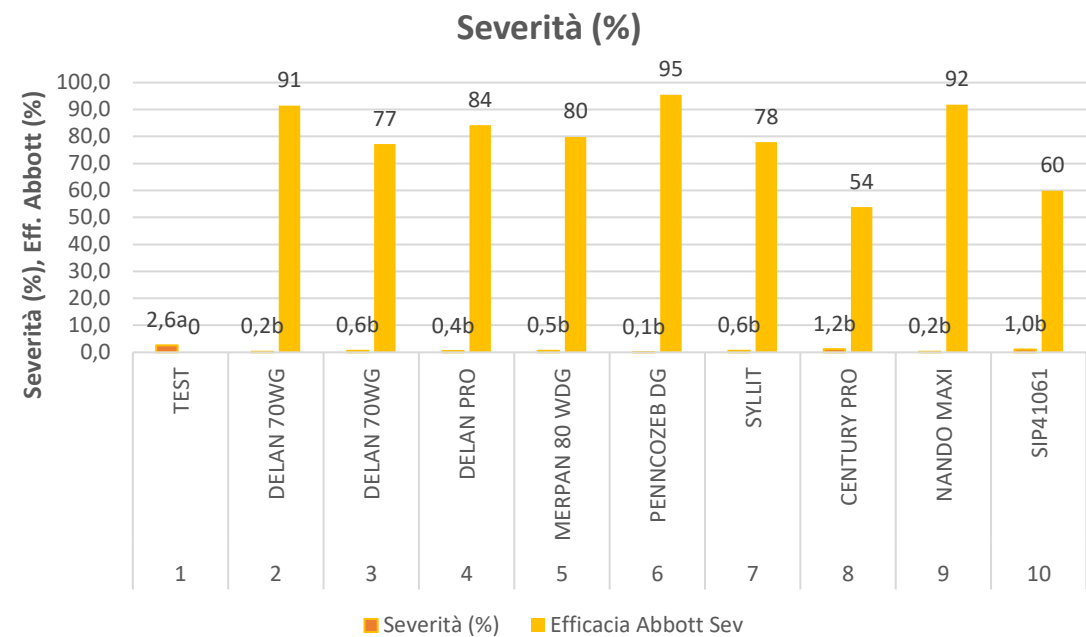
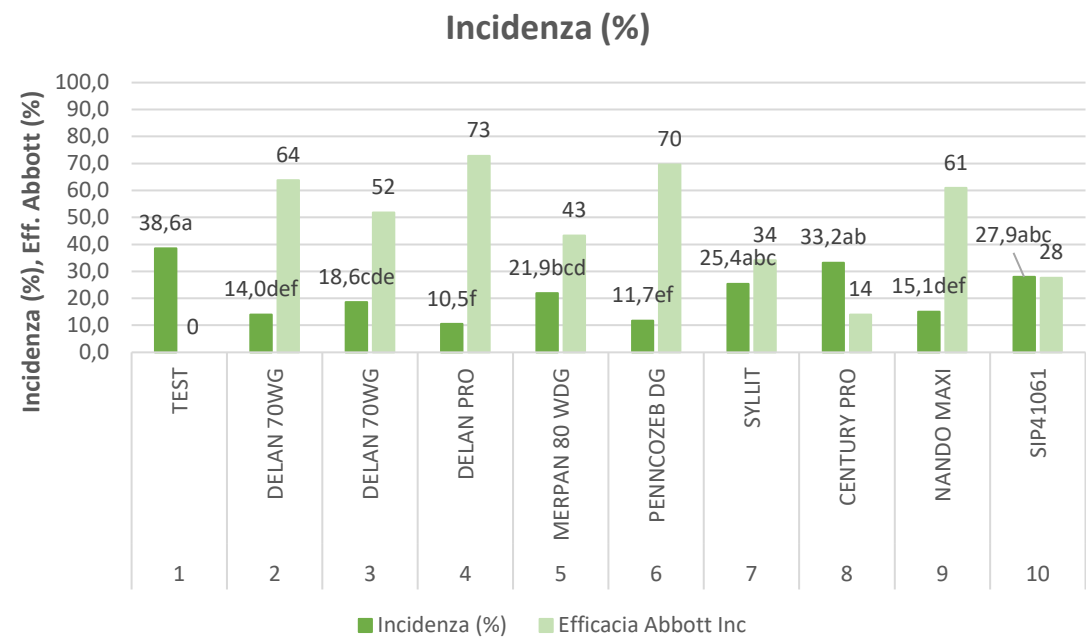
Date Trattamenti	
A	13/06
B	23/06
C	03/07
D	10/07
E	23/07
F	29/07

Date Rilievi	
19/08	21 DA-F
01/09	34 DA-F
16/09	49 DA-F

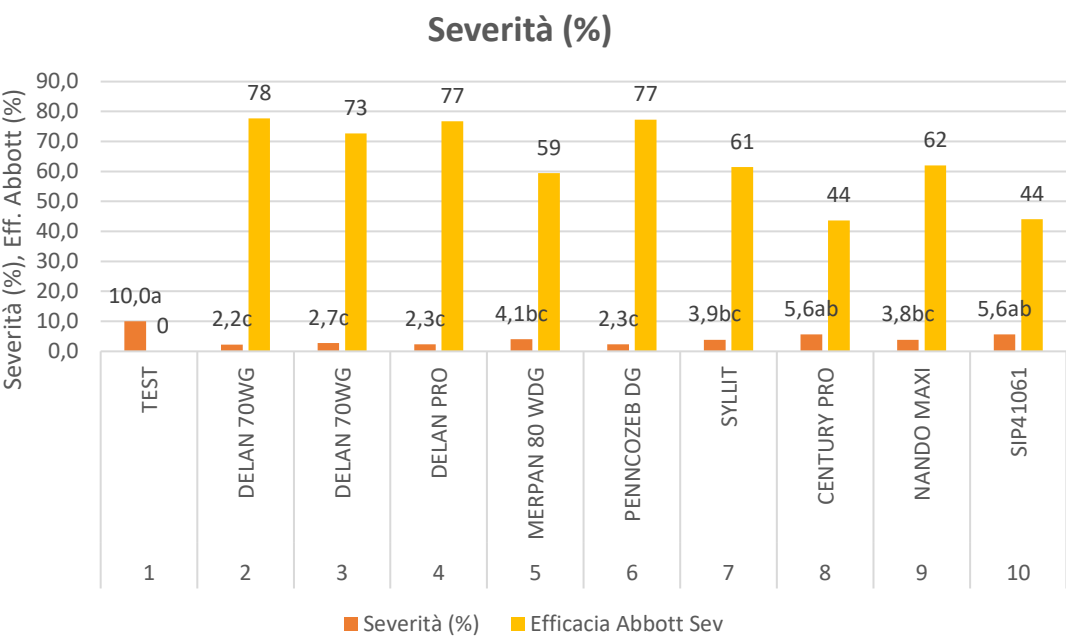
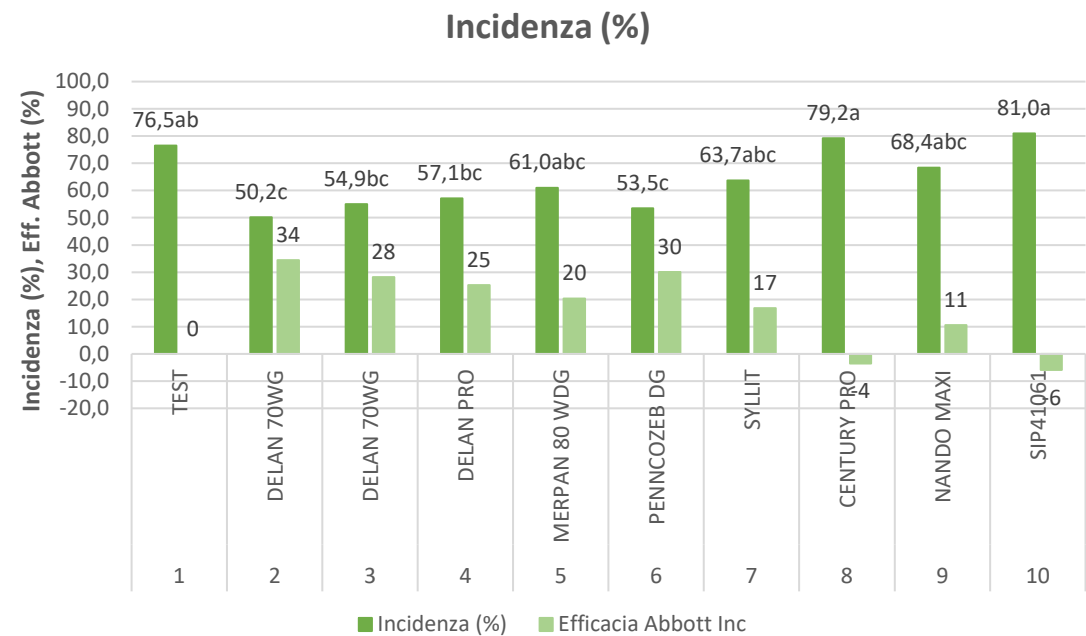
1° Rilievo 19/08 (21 DA-F)



2° Rilievo 01/09 (34 DA-F)

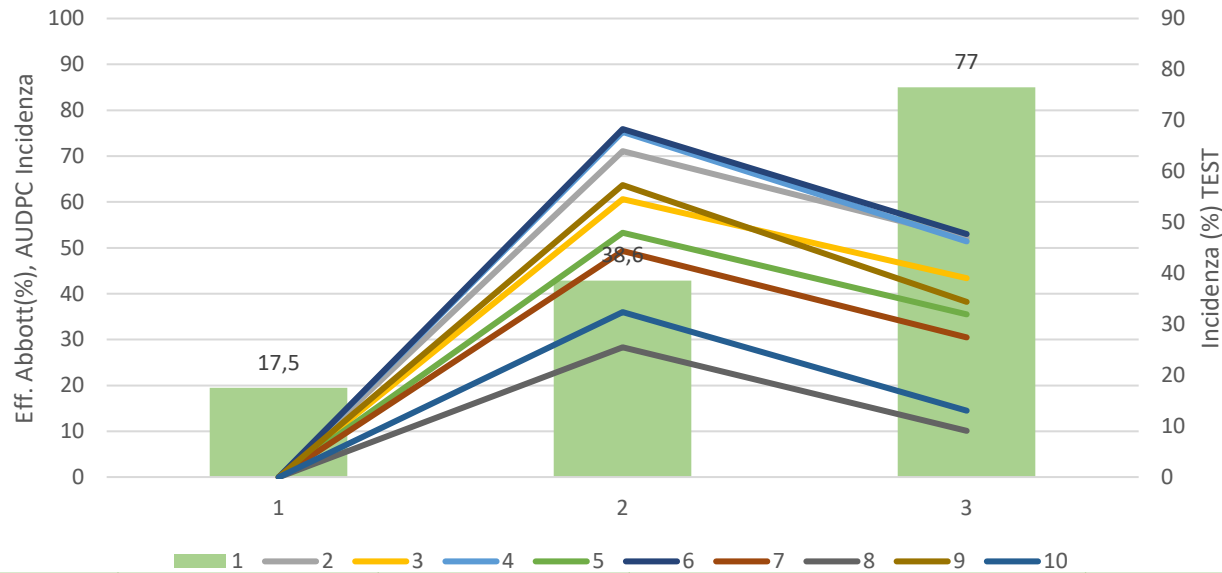


3° Rilievo 16/09 (49 DA-F)

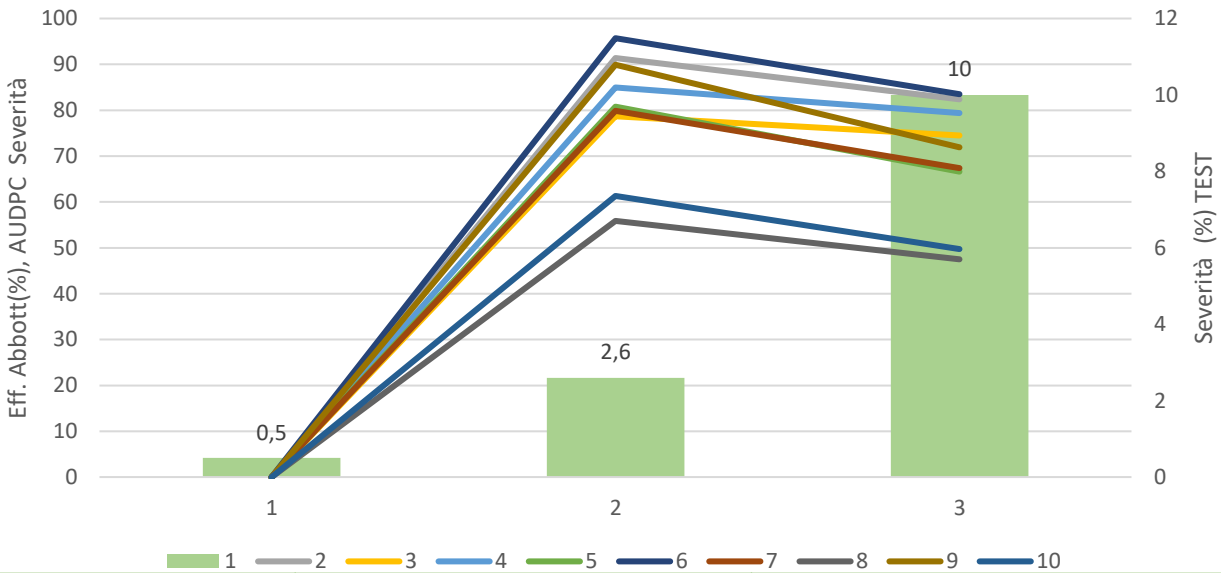


Eff. Abbott(%) Area Under Disease Progress Curve

Eff. Abbott (%) AUDPC Incidenza



Eff. Abbott (%) AUDPC Severità

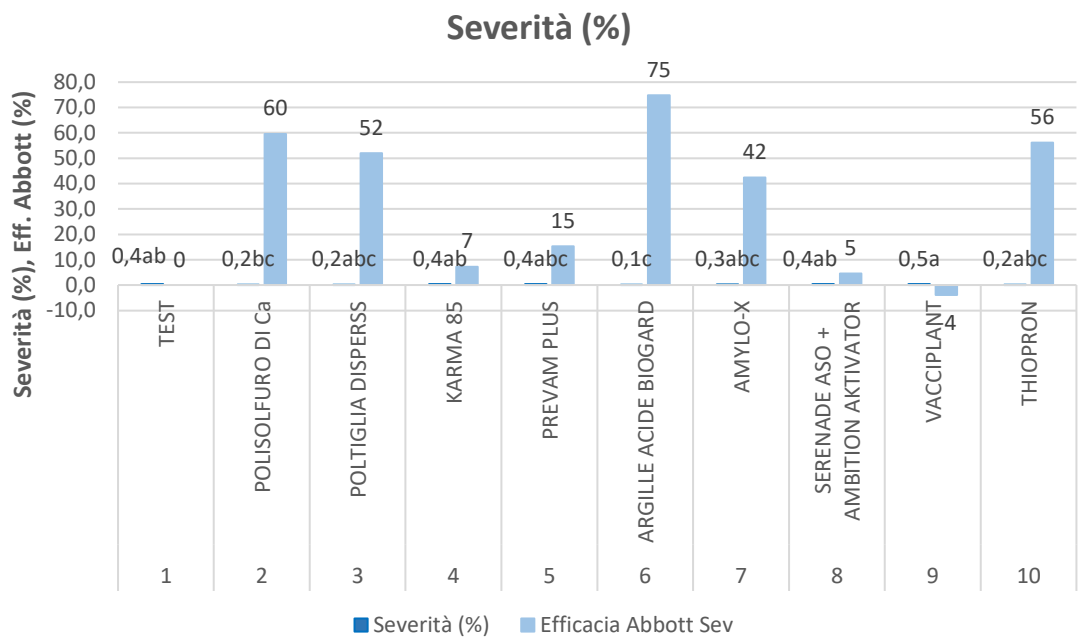
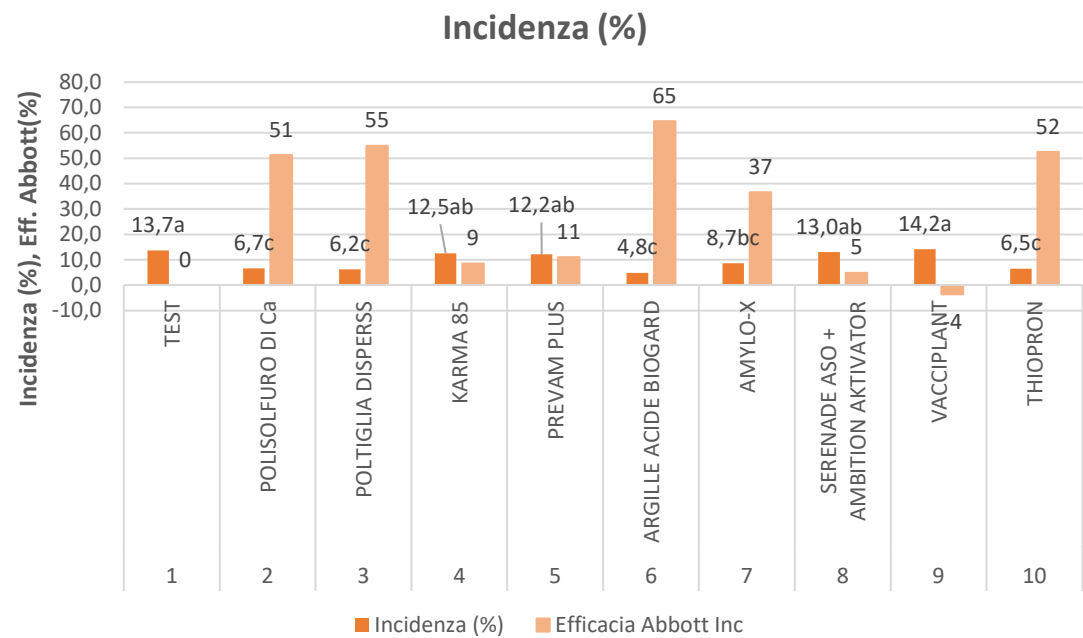


Tesi	Prodotto	Dose (L o Kg/Ha)	Eff. Abbott (%) tra 1° e 2° rilievo Incidenza	Eff. Abbott (%) tra 1° e il 3° rilievo Incidenza	Eff. Abbott (%) tra 1° e 2° rilievo Severità	Eff. Abbott (%) tra 1° e il 3° rilievo Severità
1	TEST	-	0a	0a	0a	0a
2	DELAN 70WG	0,75	71,1ef	52,2d	91,4de	82,4ef
3	DELAN 70WG	0,5	60,6de	43,4d	78,7bcd	74,5def
4	DELAN PRO	2,5	75,3f	51,4d	85d	79,4def
5	MERPAN 80 WDG	2	53,3cde	35,5cd	80,8cd	66,6cd
6	PENNCOZEB DG	2,1	75,9f	53d	95,7e	83,5f
7	SYLLIT	1,38	49,3bcd	30,5bcd	79,9cd	67,4ef
8	CENTURY PRO	1,9	28,3ab	10,1ab	55,9b	47,5ab
9	NANDO MAXI	1,5	63,7def	38,2cd	89,9de	71,9de
10	SIP41061	0,3	36abc	14,5abc	61,3bc	49,7be

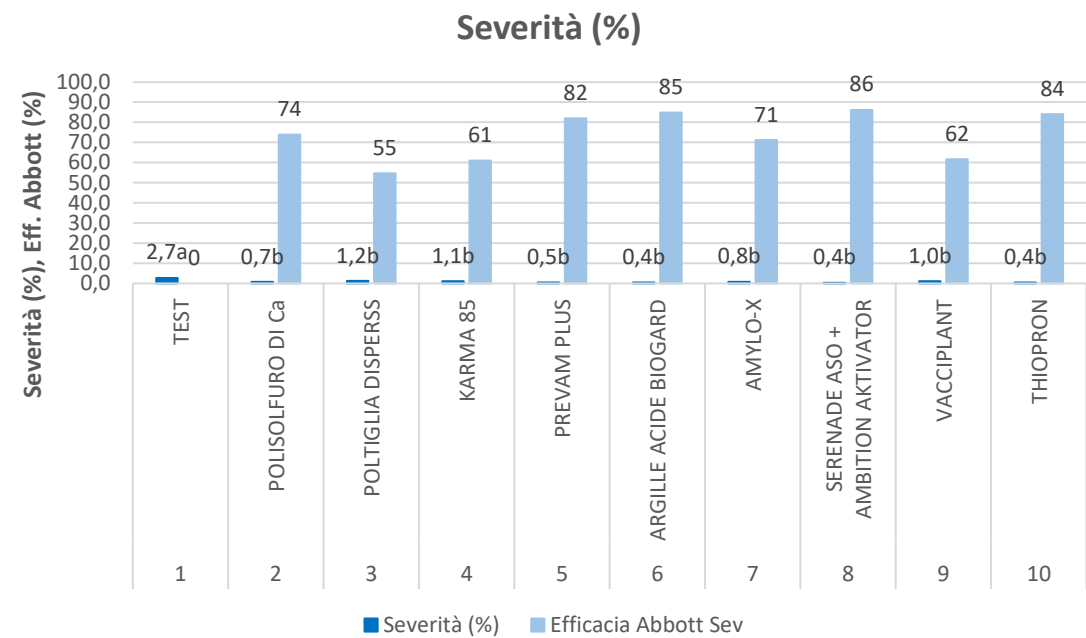
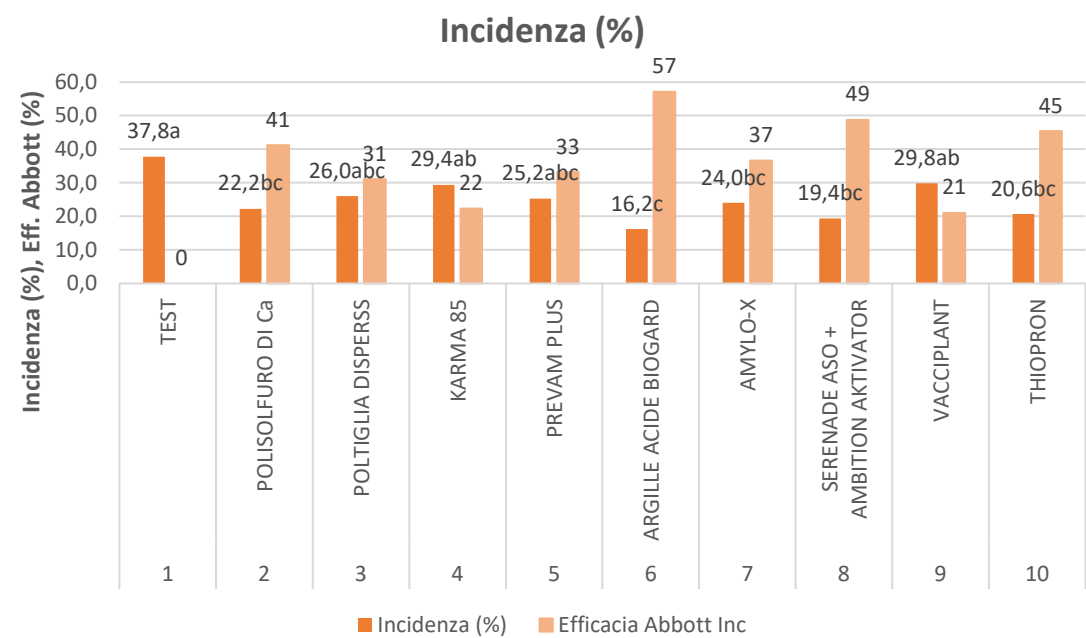
Protocollo Prova Prodotti Bio

Tesi	Prodotto	P.attivo	Conc. P.a.)	Formulazione	Dose (L o kg/Ha)
1	TEST	-	-	-	-
2	POLISOLFURO	Polisolfuro di Ca	380 (g/L)	DC	12
3	POLTIGLIA DISPERSS	Rame metallo (da Polt. Bordolese)	200 (g/L)	WG	2
4	KARMA 85	Bicarbonato di K	85 (%)	SP	5
5	PREVAM PLUS	Olio Ess. Arancio Dolce	60 (g/L)	SL	3
6	ARGILLE ACIDE BIOGARD	Argille acide + Bentonite + Ligninsolfonati	76(%) +20(%) + 4 (%)	FG	15
7	AMYLO-X	<i>Bacillus amyloliquefaciens</i> ceppo D747	5 x 10 ¹⁰ CFU/g	WG	2,5
8	SERENADE ASO + AMBITION AKTIVATOR	<i>Bacillus subtilis</i> ceppo QST 713 N	14,1 (g/L) 8,3 (%)	SC L	4 + 3
9	VACCIPLANT	Laminarina	45 (g/L)	SL	1
10	THIOPRON	Zolfo puro	825 (g/L)	SC	5

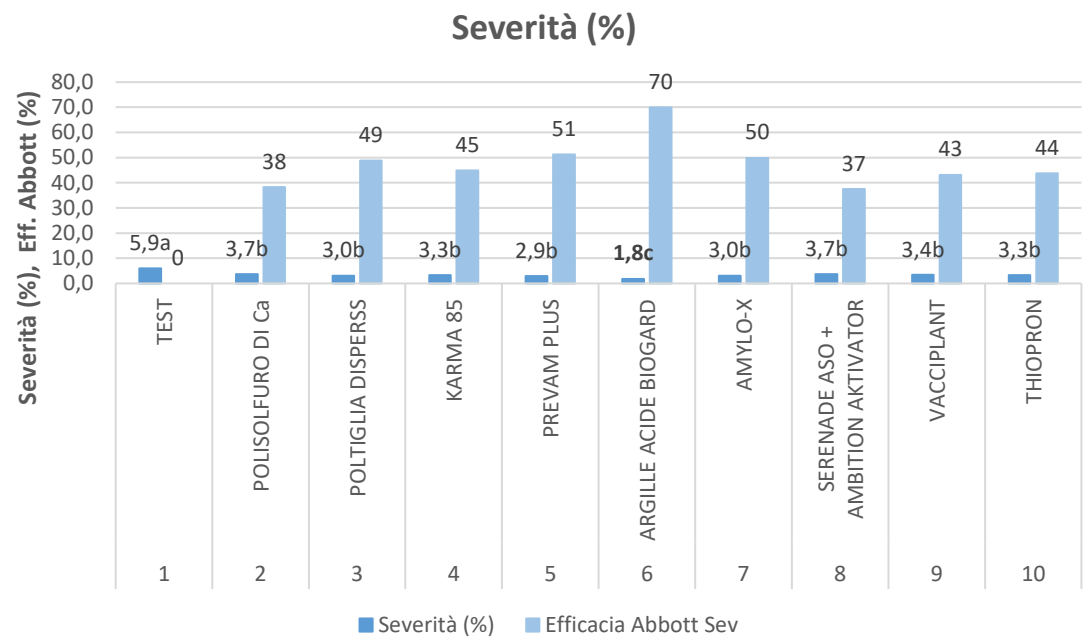
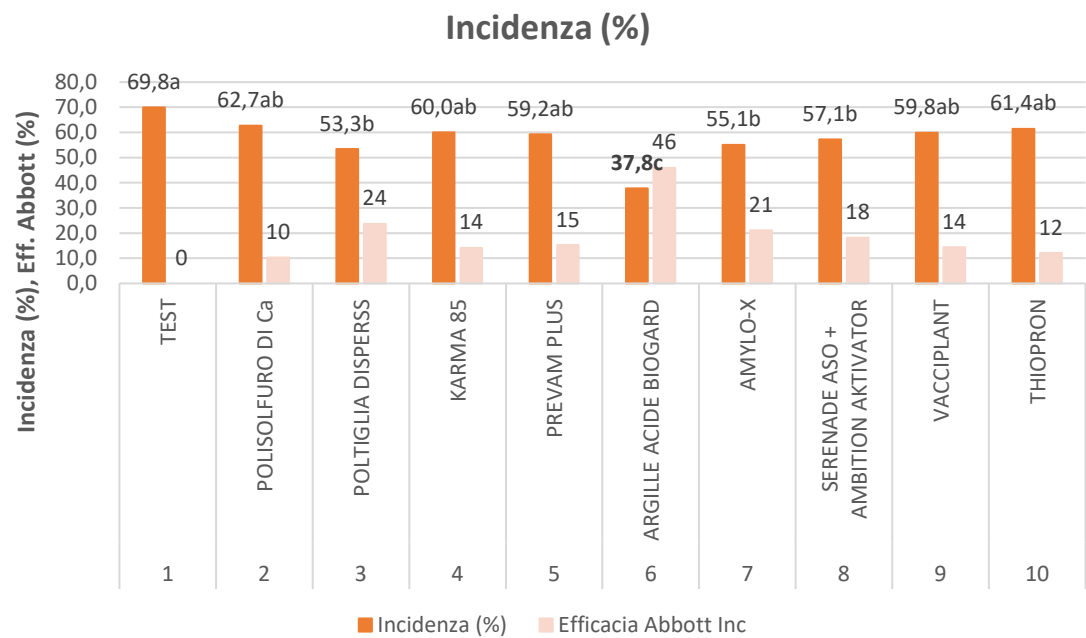
1° Rilievo 19/08 (21 DA-F)



2° Rilievo 01/09 (34 DA-F)

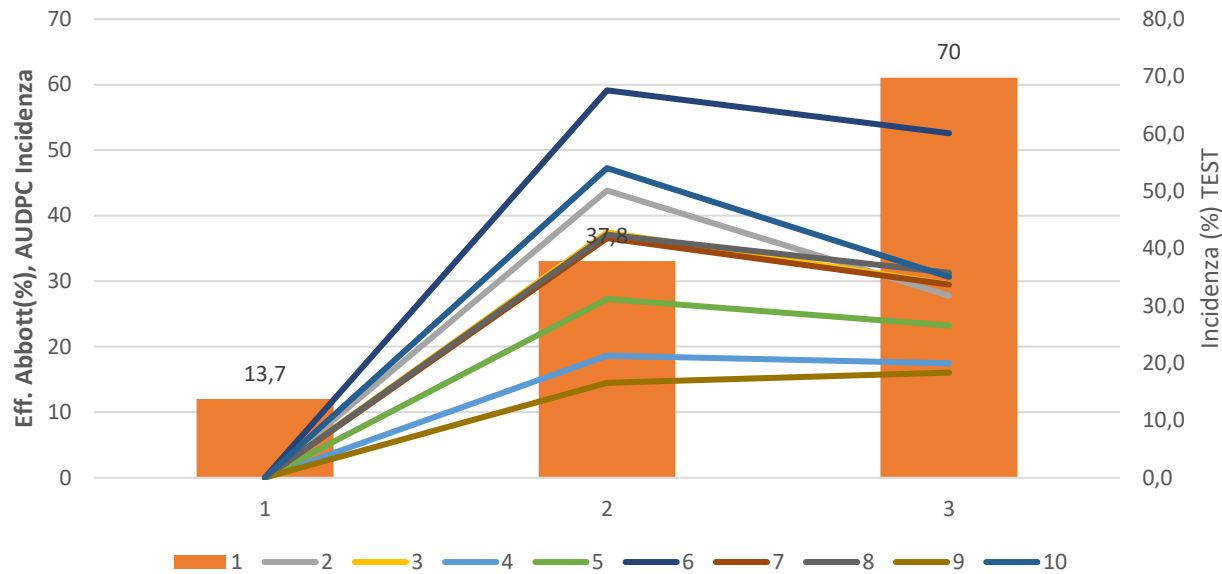


3° Rilievo 16/09 (49 DA-F)

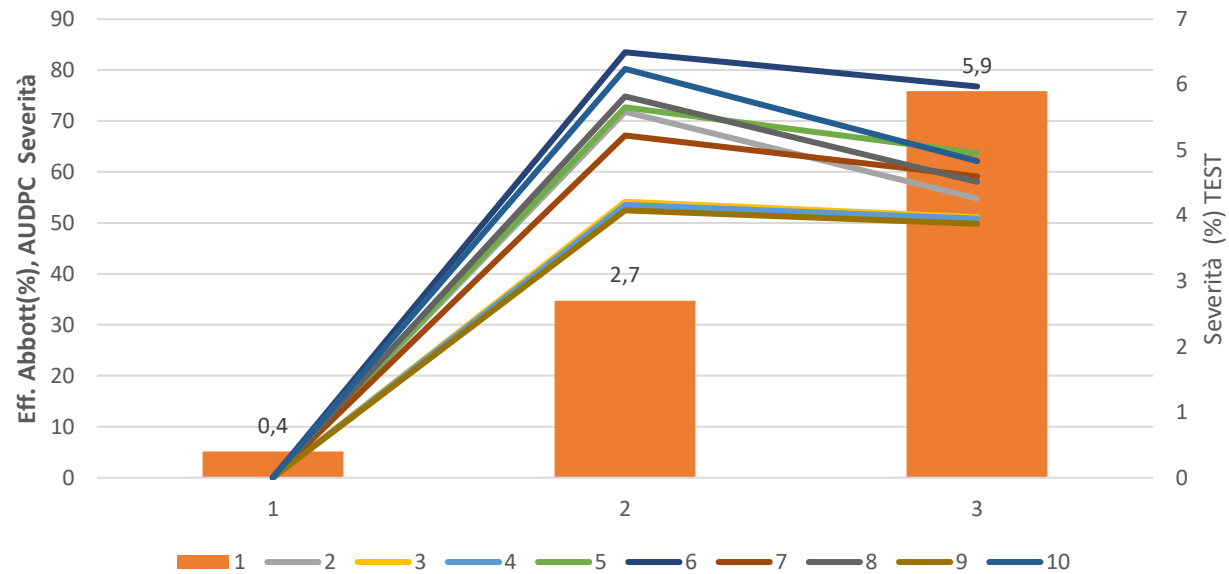


Eff. Abbott(%) Area Under Disease Progress Curve

Eff. Abbott (%) AUDPC Incidenza

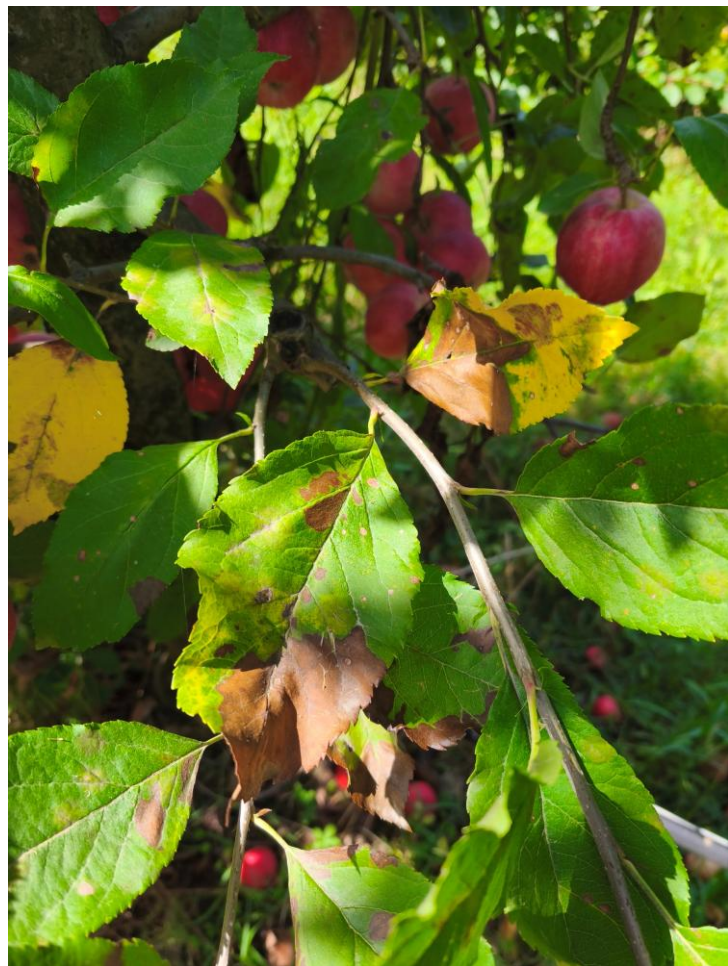


Eff. Abbott (%) AUDPC Severità



Tesi	Prodotto	Eff. Abbott (%) tra 1° e 2° rilievo Incidenza	Eff. Abbott (%) tra 1° e il 3° rilievo Incidenza	Eff. Abbott (%) tra 1° e 2° rilievo Severità	Eff. Abbott (%) tra 1° e il 3° rilievo Severità
1	TEST	0a	0a	0a	0a
2	POLISOLFURO DI Ca	43,8b	27,8b	71,8b	54,8b
3	POLTIGLIA DISPERSS	37,4b	29,5b	54,2b	51,5b
4	KARMA 85	18,6ab	17,5ab	53,5b	50,8b
5	PREVAM PLUS	27,3b	23,2b	72,7b	63,73b
6	ARGILLE ACIDE BIOGARD	59,1c	52,6c	83,5c	76,8c
7	AMYLO-X	36,6b	29,5b	67,2b	59,1b
8	SERENADE ASO + AMBITION AKTIVATOR	37,1b	31,3b	74,8b	58b
9	VACCIPLANT	14,5ab	16ab	52,5b	49,8b
10	THIOPRON	47,2b	30,6b	80,2b	62,1b

M&M



LOCALITÀ

Cona (FE)

DISEGNO SPERIMENTALE

Blocchi randomizzati con 4 ripetizioni e parcelle di 6 piante

VARIETÀ

Melo cv Gala

EQUIPAGGIAMENTO

Nebulizzatore spalleggiato (Sthil SR 430) tarato per distribuire 1000 l/ha

RILIEVI: 20 germogli da 10 foglie (200)/plot:

13/08; 01/09; 15/09

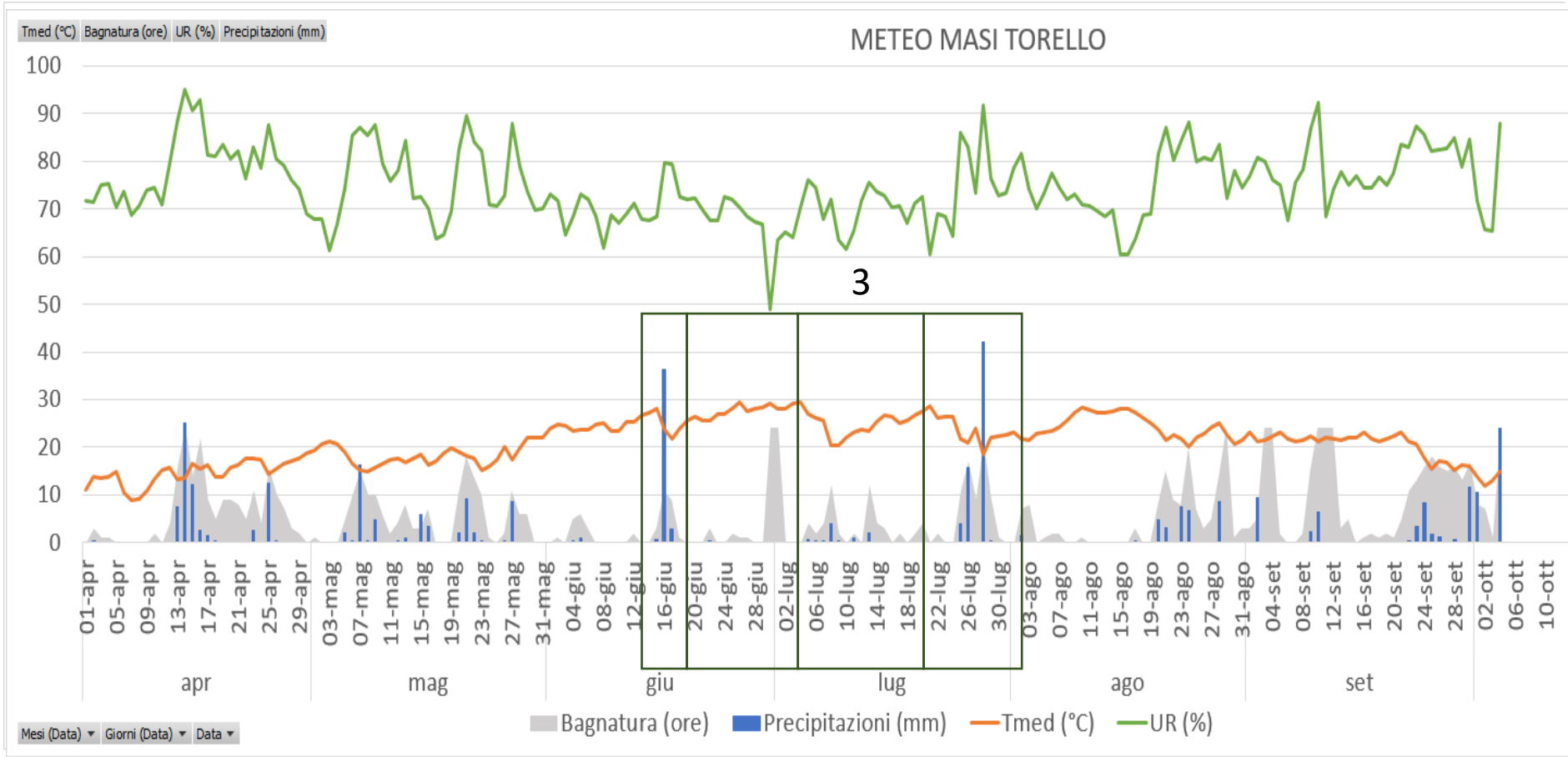
ANALISI STATISTICA:

Analisi varianza (ANOVA) Test Duncan's new MRT ($p \leq 0,05$)

Protocollo Prova finestre

	13/06/2025	19/06/2025	26/06/2025	04/07/2025	11/07/2025	18/07/2025	24/07/2025	01/08/2025
Testimone non trattato	-	-	-	-	-	-	-	-
Finestra 1	-	-	Delan 70 WG	Delan 70 WG	Delan 70 WG	Delan 70 WG	Delan 70 WG	Delan 70 WG
Finestra 2	Nando Maxi	Nando Maxi	-	-	Delan 70 WG	Delan 70 WG	Delan 70 WG	Delan 70 WG
Finestra 3	Delan 70 WG	Delan 70 WG	Nando Maxi	Nando Maxi	-	-	Delan 70 WG	Delan 70 WG
Finestra 4	Delan 70 WG	Delan 70 WG	Delan 70 WG	Delan 70 WG	Nando Maxi	Nando Maxi	-	-
Finestra 5	Delan 70 WG	Delan 70 WG	Delan 70 WG	Delan 70 WG	Delan 70 WG	Delan 70 WG	Delan 70 WG	Delan 70 WG

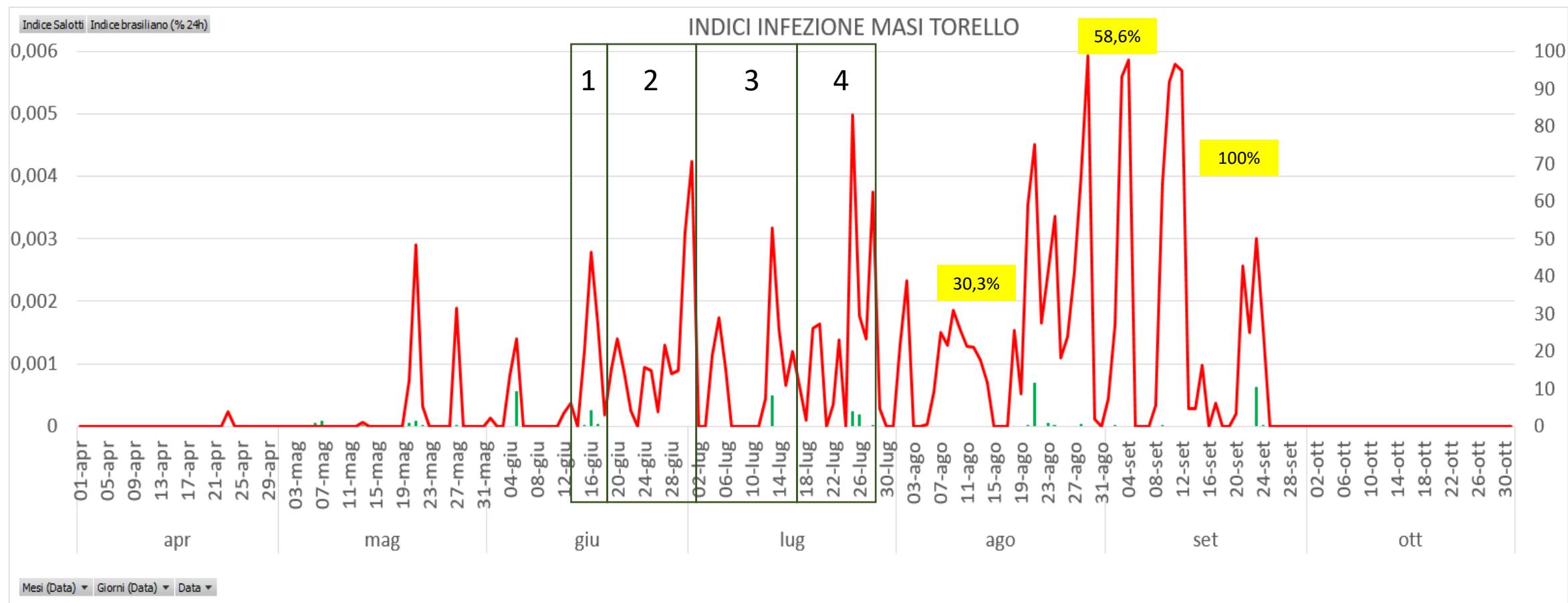
Andamento Meteo – Masi Torello (FE)



Date Trattamenti	
A	13/06
B	19/06
C	26/06
D	04/07
E	11/07
F	18/07
G	24/07
H	01/08

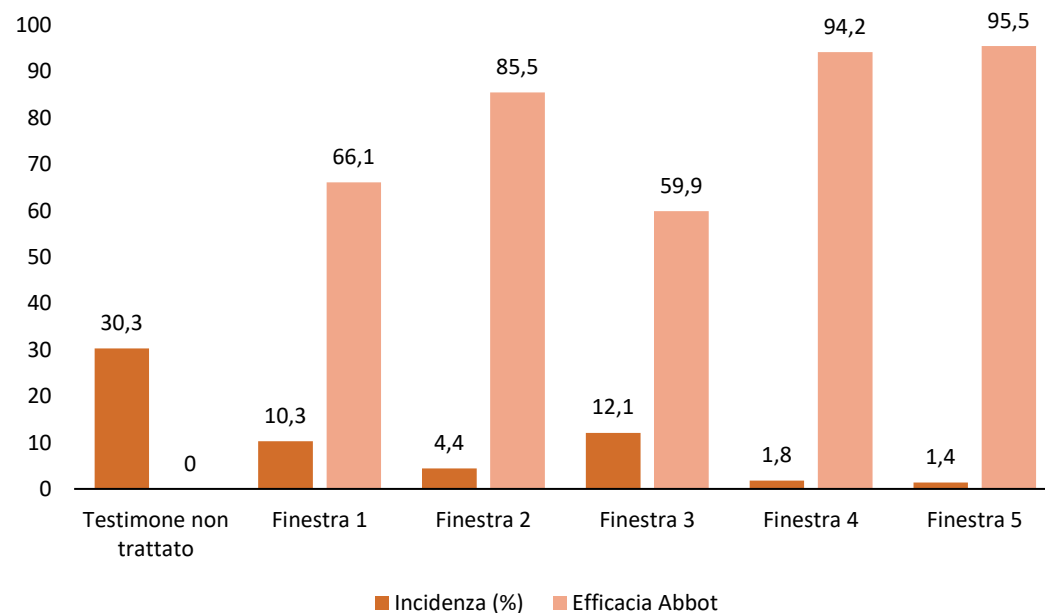
Date Rilievi	
13/08	12 DA-H
01/09	31 DA-H
15/09	45 DA-H

Rischio infettivo – Masi Torello (FE)

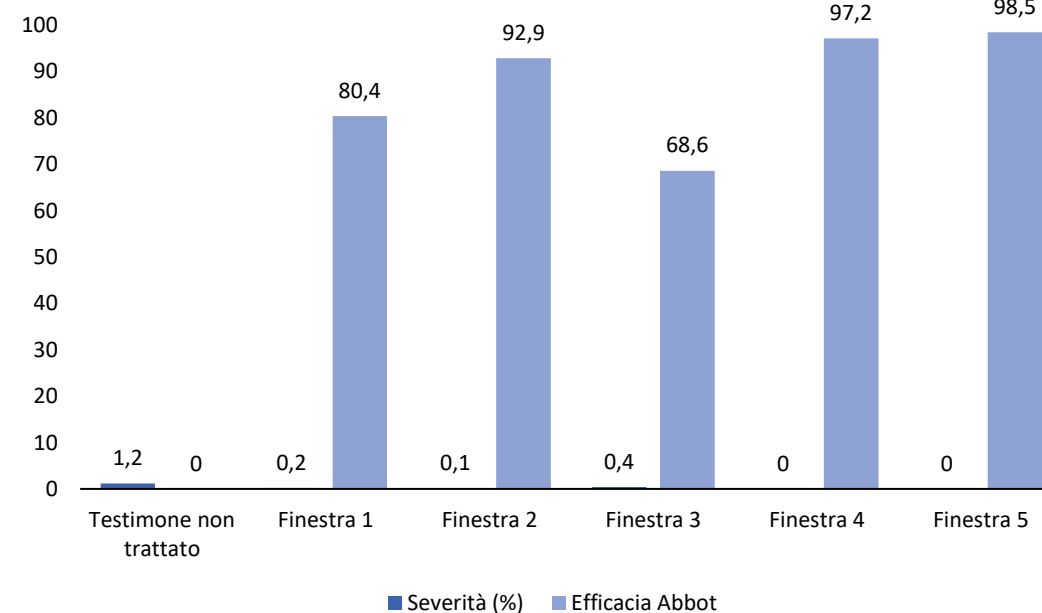


1° Rilievo 13/08 (12 DA-H)

Incidenza (%)

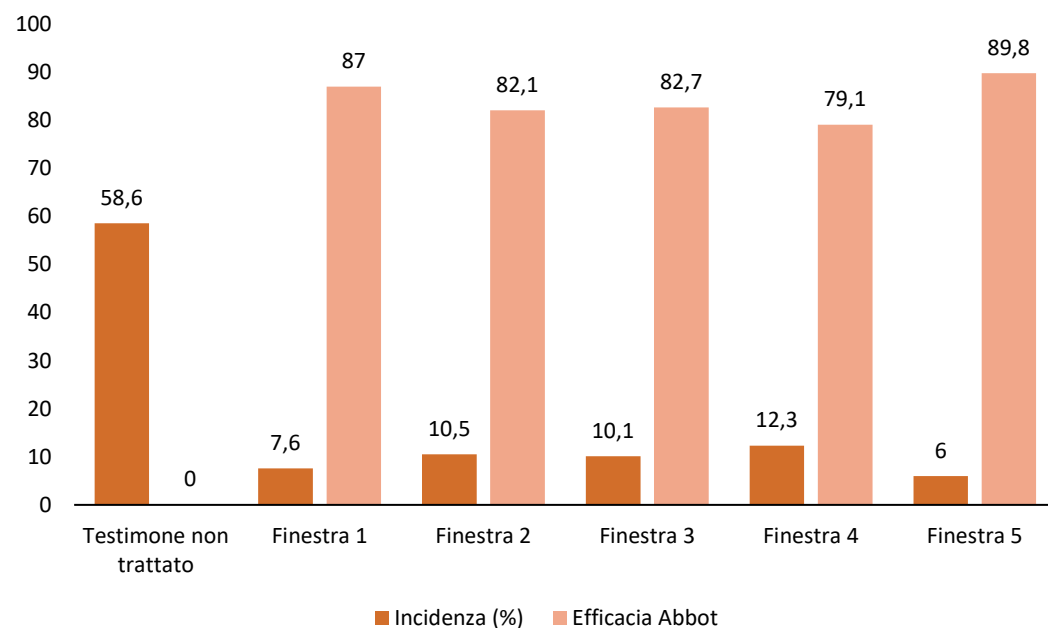


Severità (%)

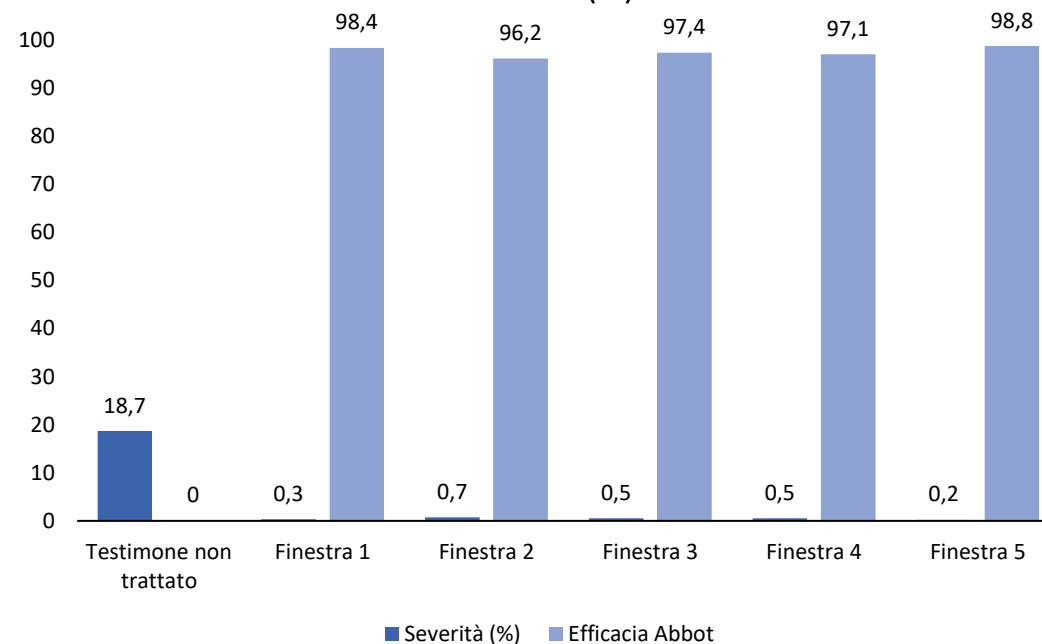


2° Rilievo 1/09 (31 DA-H)

Incidenza (%)



Severità (%)



3° Rilievo 15/08 (45 DA-H)

