

Azienda N

Impianto 2016 - taglio tecnico primavera 2017

ID 5° M = Incremento diametrico annuale 5° anno piante di margine, in rosso incremento %

ID 5° I = Incremento diametrico annuale 5° anno piante interne, in rosso incremento %

22/03/2021				06/04/2022				ID 5° M	ID 5° I
DI MARGINE		INTERNE		DI MARGINE		INTERNE			
n.	diam. 130 (cm)	n.	diam. 130 (cm)	n.	diam. 130 (cm)	n.	diam. 130 (cm)		
1	27,0	21	20,0	1	29,5	21	22,5		
2	23,0	22	12,0	2	25,0	22	13,5		
3	20,0	23	14,0	3	23,5	23	16,0		
4	24,0	24	19,0	4	27,5	24	21,0		
5	23,0	25	16,0	5	27,0	25	17,5		
6	8,0	26	21,0	6	9,0	26	23,0		
7	27,0	27	18,0	7	29,5	27	19,0		
8	20,0	28	18,0	8	22,5	28	19,5		
9	22,0	29	20,0	9	25,0	29	22,0		
10	9,0	30	18,0	10	12,0	30	20,5		
11	22,0	31	13,0	11	25,0	31	15,0		
12	24,0	32	18,0	12	27,0	32	20,0		
13	24,0	33	17,0	13	28,0	33	20,0		
14	14,0	34	13,0	14	17,0	34	15,5		
15	23,0	35	11,0	15	27,0	35	13,5		
16	17,0	36	19,0	16	21,5	36	22,0		
17	24,0	37	17,0	17	28,0	37	20,0		
18	17,0	38	9,0	18	20,0	38	11,0		
19	16,0	39	15,0	19	18,5	39	18,0		
20	19,0	40	19,0	20	24,0	40	22,0		
		20,2	16,4		23,3		18,6	3,2	2,2
								15,8	13,6

Azienda L

Impianto 2018 - taglio tecnico primavera 2019

ID 3° M = Incremento diametrico annuale 3° anno piante di margine, in rosso incremento %

ID 3° I = Incremento diametrico annuale 3° anno piante interne, in rosso incremento %

CR = cima rotta e ricostituita

NPR = non più rilevabili a causa della perdita del colore identificativo

22/03/2021				08/04/2022				ID 3° M	ID 3° I
n.	DI MARGINE diam. 130 (cm)	n.	INTERNE diam. 130 (cm)	CR	n.	DI MARGINE diam. 130 (cm)	n.		
1	12,0	21	12		1	17,0	21	NPR	
2	13,0	22	14		2	15,5	22	NPR	
3	12,0	23	14	CR	3	16,5	23	NPR	
4	12,0	24	13	CR	4	17,0	24	NPR	
5	12,0	25	13	CR	5	17,0	25	NPR	
6	11,0	26	15		6	16,0	26	NPR	
7	13,0	27	11		7	18,0	27	NPR	
8	13,0	28	13		8	18,0	28	NPR	
9	12,0	29	15		9	17,0	29	NPR	
10	13,0	30	15		10	19,0	30	NPR	
11	13,0	31	12	CR	11	18,5	31	NPR	
12	12,0	32	14	CR	12	16,5	32	NPR	
13	11,0	33	14	CR	13	16,5	33	NPR	
14	11,0	34	15		14	16,0	34	NPR	
15	13,0	35	15		15	17,5	35	NPR	
16	13,0	36	14		16	17,0	36	NPR	
17	10,0	37	14	CR	17	16,0	37	NPR	
18	12,0	38	12		18	16,0	38	NPR	
19	12,0	39	13	CR	19	17,5	39	NPR	
20	12,0	40	15		20	17,0	40	NPR	
12,1		13,8			17,0			4,9	
								40,3	

Azienda E

Impianto maggio 2017 - Taglio tecnico primavera 2018

ID 4° M = Incremento diametrico annuale 4° anno piante di margine, in rosso incremento %

ID 4° I = Incremento diametrico annuale 4° anno piante interne, in rosso incremento %

E(B) suolo migliore		E(D) suolo scadente				E(B) suolo migliore		E(D) suolo scadente				E(B)		E(D)					
24/03/2021						4 e 5-04-2022						ID 4° M	ID 4° I	ID 4° M	ID 4° I				
n.	DI MARGINE diam. 130 (cm)	n.	INTERNE diam. 130 (cm)	n.	DI MARGINE diam. 130 (cm)	n.	INTERNE diam. 130 (cm)	n.	DI MARGINE diam. 130 (cm)	n.	INTERNE diam. 130 (cm)	n.	DI MARGINE diam. 130 (cm)	n.	INTERNE diam. 130 (cm)				
1	16,0	21	14,0	1	14,0	21	9,5	1	17,0	21	16,0	1	15,5	21	10,0				
2	13,0	22	13,5	2	12,0	22	8,5	2	14,0	22	15,0	2	13,5	22	9,0				
3	11,0	23	14,0	3	9,0	23	15,5	3	12,0	23	15,0	3	9,5	23	17,0				
4	13,0	24	15,0	4	12,0	24	12,5	4	14,5	24	16,0	4	13,0	24	11,0				
5	12,5	25	14,5	5	14,0	25	11,0	5	15,0	25	16,5	5	15,0	25	14,5				
6	8,5	26	16,5	6	13,0	26	14,5	6	9,0	26	14,0	6	14,5	26	12,5				
7	13,0	27	14,0	7	13,0	27	11,0	7	15,0	27	10,5	7	14,0	27	14,5				
8	16,0	28	14,0	8	11,0	28	14,0	8	19,0	28	16,0	8	12,0	28	15,5				
9	12,5	29	10,0	9	10,5	29	14,0	9	14,5	29	14,5	9	11,5	29	15,0				
10	15,0	30	12,5	10	12,5	30	11,0	10	17,0	30	19,0	10	13,5	30	11,5				
11	14,0	31	11,5	11	12,0	31	11,0	11	15,5	31	13,5	11	13,5	31	12,0				
12	13,5	32	13,5	12	11,0	32	12,0	12	16,0	32	14,5	12	12,5	32	15,5				
13	13,0	33	11,0	13	12,5	33	13,0	13	15,0	33	12,0	13	14,0	33	12,5				
14	16,5	34	13,5	14	14,0	34	11,0	14	20,0	34	15,0	14	16,0	34	14,0				
15	13,0	35	12,5	15	13,5	35	14,0	15	16,0	35	13,5	15	15,5	35	13,0				
16	14,5	36	13,5	16	12,5	36	15,0	16	17,0	36	12,0	16	13,5	36	16,0				
17	9,5	37	13,0	17	11,0	37	12,0	17	11,0	37	16,0	17	11,5	37	12,5				
18	14,0	38	15,0	18	10,0	38	11,0	18	16,0	38	16,0	18	11,0	38	12,5				
19	14,0	39	15,0	19	10,0	39	13,0	19	16,5	39	14,0	19	11,5	39	14,0				
20	14,5	40	11,0	20	8,0	40	13,0	20	17,5	40	14,0	20	8,5	40	14,0				
	13,4		13,4		11,8		12,3		15,4		14,7		13,0		13,3	2,0	1,3	1,2	1,0
																15,2	9,5	10,2	8,1

Azienda B

Impianto maggio del 2016 - Taglio tecnico febbraio 2017

ID 5° M = Incremento diametrico annuale 5° anno piante di margine, in rosso incremento %

ID 5° I = Incremento diametrico annuale 5° anno piante interne, in rosso incremento %

B(S) lato monte		B(A) lato valle				B(S) lato monte		B(A) lato valle				B(S)		B(A)					
24/03/2021						14/04/2022						ID 5° M	ID 5° I	ID 5° M	ID 5° I				
n.	DI MARGINE diam. 130 (cm)	n.	INTERNE diam. 130 (cm)	n.	DI MARGINE diam. 130 (cm)	n.	INTERNE diam. 130 (cm)	n.	DI MARGINE diam. 130 (cm)	n.	INTERNE diam. 130 (cm)	n.	DI MARGINE diam. 130 (cm)	n.	INTERNE diam. 130 (cm)				
1	24,0	21	17,5	1	21,0	21	16,0	1	28,0	21	18,0	1	22,0	21	16,0				
2	26,0	22	22,0	2	20,0	22	21,0	2	29,5	22	22,0	2	21,0	22	22,5				
3	22,0	23	19,0	3	26,0	23	24,0	3	24,0	23	19,5	3	31,0	23	25,0				
4	19,0	24	21,0	4	17,0	24	20,0	4	20,0	24	22,0	4	20,0	24	21,5				
5	21,5	25	23,5	5	19,0	25	25,5	5	23,5	25	24,5	5	22,5	25	Manca				
6	25,0	26	17,5	6	25,0	26	16,0	6	28,5	26	18,5	6	27,5	26	16,0				
7	19,0	27	24,0	7	14,5	27	23,5	7	21,0	27	25,0	7	18,0	27	25,0				
8	22,5	28	28,0	8	28,0	28	24,0	8	26,5	28	23,0	8	32,0	28	25,0				
9	27,5	29	22,0	9	26,0	29	16,0	9	29,5	29	22,5	9	29,5	29	17,0				
10	23,0	30	18,5	10	25,0	30	24,0	10	25,5	30	20,0	10	27,0	30	25,0				
11	25,5	31	20,0	11	25,0	31	15,0	11	27,5	31	21,0	11	27,0	31	15,5				
12	20,5	32	19,0	12	20,5	32	18,0	12	23,5	32	21,5	12	25,5	32	18,5				
13	25,5	33	24,0	13	17,0	33	22,5	13	30,0	33	26,0	13	21,0	33	23,0				
14	18,0	34	16,5	14	22,0	34	16,0	14	20,5	34	17,0	14	27,5	34	16,0				
15	14,0	35	19,5	15	23,0	35	19,0	15	14,5	35	21,5	15	28,0	35	20,0				
16	16,0	36	14,5	16	26,5	36	18,0	16	18,0	36	14,5	16	30,5	36	19,0				
17	18,5	37	23,0	17	20,5	37	16,5	17	20,5	37	25,0	17	25,5	37	17,5				
18	24,0	38	20,5	18	27,0	38	14,5	18	29,5	38	21,5	18	31,0	38	15,5				
19	19,0	39	15,0	19	21,0	39	19,0	19	21,0	39	15,5	19	24,0	39	21,0				
20	21,0	40	19,0	20	24,0	40	24,0	20	23,0	40	20,5	20	28,0	40	25,0				
	21,6		19,9		22,4		19,3		24,2		21,0		25,9		20,2	2,6	1,0	3,5	0,9
																12,2	5,1	15,7	4,6

Azienda A

AG Impianto del 2019, taglio tecnico primavera 2020.

AV Impianto 2017, taglio tecnico primavera 2018.

ID 2° M = Incremento diametrico annuale 2° anno piante di margine, in rosso incremento %

ID 4° M = Incremento diametrico annuale 4° anno piante di margine, in rosso incremento %

ID 2° I = Incremento diametrico annuale 2° anno piante interne, in rosso incremento %

ID 4° I = Incremento diametrico annuale 4° anno piante interne, in rosso incremento %

U = vegetazione di 1 anno perché il fusto originario spezzato venne ritagliato alla base.

AG Impianto giovane				AV Impianto vecchio				AG Impianto giovane				AV Impianto vecchio				Impianto giovane		Impianto vecchio	
08/04/2021								06/04/2022											
n.	DI MARGINE	U	INTERNE	n.	DI MARGINE	U	INTERNE	n.	DI MARGINE	U	INTERNE	n.	DI MARGINE	U	INTERNE	ID 2° M	ID 2° I	ID 4° M	ID 4° I
	diam. 130 (cm)		diam. 130 (cm)		diam. 130 (cm)		diam. 130 (cm)		diam. 130 (cm)		diam. 130 (cm)		diam. 130 (cm)		diam. 130 (cm)				
1	8,5		21	10,5	1		19,5	21	22,0	1		16,0	21	17,5	1	23,5	21	25,0	
2	9,0		22	10,5	2		20,5	22	14,0	2		14,5	22	17,5	2	24,5	22	17,0	
3	2,5	U	23	11,0	3		17,5	23	22,0	3		-	23	17,5	3	20,5	23	24,5	
4	10,0		24	10,0	4		23,0	24	23,0	4		17,0	24	17,5	4	27,5	24	26,0	
5	7,0	U	25	9,0	5		20,0	25	17,0	5		12,0	25	12,0	5	24,0	25	19,0	
6	10,5		26	11,0	6		19,5	26	19,5	6		17,0	26	17,0	6	23,5	26	21,5	
7	9,0		27	10,0	7		20,0	27	19,0	7		16,0	27	16,0	7	22,0	27	20,5	
8	10,0		28	10,5	8		18,5	28	22,0	8		16,0	28	18,0	8	21,5	28	24,5	
9	10,0		29	10,5	9		19,5	29	12,5	9		17,0	29	17,0	9	23,5	29	14,0	
10	9,0		30	9,5	10		21,0	30	22,0	10		15,0	30	17,0	10	25,0	30	25,0	
11	9,0		31	10,0	11		22,0	31	20,0	11		12,0	31	18,0	11	25,5	31	23,0	
12	6,0	U	32	10,0	12		22,0	32	20,5	12		10,0	32	16,5	12	25,0	32	23,0	
13	9,5		33	7,0	13		15,5	33	16,5	13		18,0	33	11,0	13	17,5	33	18,0	
14	9,5		34	10,0	14		24,0	34	12,0	14		16,0	34	18,0	14	29,0	34	12,5	
15	9,0		35	10,0	15		23,0	35	22,5	15		16,5	35	17,0	15	28,0	35	25,0	
16	10,0		36	10,5	16		22,0	36	20,0	16		17,0	36	17,0	16	27,0	36	21,5	
17	9,5		37	10,0	17		20,0	37	20,0	17		18,0	37	17,0	17	23,5	37	22,5	
18	9,5		38	10,5	18		22,5	38	20,5	18		16,0	38	17,0	18	28,0	38	22,5	
19	10,5		39	11,5	19		18,0	39	22,5	19		18,5	39	18,0	19	20,0	39	25,0	
20	8,5		40	9,5	20		24,0	40	22,0	20		15,5	40	16,0	20	29,0	40	25,0	
	9,5		10,3		20,6		19,5		16,2		17,2		24,4		21,8	6,8	6,9	3,8	2,3
																71,4	66,8	18,4	11,7

Azienda D

Impianto 2017 - taglio tecnico primavera 2019

ID 3° M = Incremento diametrico annuale 3° anno piante di margine, in rosso incremento %

ID 3° I = Incremento diametrico annuale 3° anno piante interne, in rosso incremento %

U = vegetazione di 1 anno perché il fusto originario spezzato venne ritagliato alla base.

08/04/2021						08/04/2022						ID 3° M	ID 3° I
DI MARGINE		U	INTERNE		U	DI MARGINE		INTERNE					
n.	diam. 130 (cm)		n.	diam. 130 (cm)		n.	diam. 130 (cm)	n.	diam. 130 (cm)				
1	13,5		21	10,5		1	17,0	21	13,0				
2	5,5	U	22	10,5		2	8,5	22	13,0				
3	10,0		23	10,5		3	13,5	23	12,5				
4	5,0	U	24	10,0		4	8,0	24	12,5				
5	11,5		25	15,5		5	16,0	25	19,0				
6	13,5		26	13,5		6	17,5	26	17,5				
7	6,0	U	27	5,5	U	7	9,0	27	8,5				
8	6,0	U	28	12,5		8	10,0	28	15,5				
9	13,5		29	14,0		9	17,5	29	17,5				
10	13,5		30	9,0		10	17,5	30	9,5				
11	13,5		31	13,0		11	18,0	31	16,5				
12	1,0	U	32	13,0		12	2,5	32	17,0				
13	9,5		33	11,0		13	13,0	33	15,0				
14	10,0		34	13,0		14	13,5	34	16,0				
15	11,0		35	12,5		15	14,5	35	17,0				
16	10,5		36	14,5		16	14,5	36	19,0				
17	5,0	U	37	11,0		17	8,0	37	14,5				
18	12,5		38	12,5		18	17,0	38	16,5				
19	6,5	U	39	13,0		19	11,0	39	17,0				
20	13,5		40	11,5		20	17,5	40	15,0				
12,0			12,2			15,9		15,4		3,9	3,3		

32,7

27,1

Azienda O

Impianto 2016 - taglio tecnico primavera 2017

ID 5° M = Incremento diametrico annuale 5° anno piante di margine, in rosso incremento %

ID 5° I = Incremento diametrico annuale 5° anno piante interne, in rosso incremento %

08/04/2021				14/04/2022				ID 5° M	ID 5° I
DI MARGINE		INTERNE		DI MARGINE		INTERNE			
n.	diam. 130 (cm)	n.	diam. 130 (cm)	n.	diam. 130 (cm)	n.	diam. 130 (cm)		
1	17,0	21	20,0	1	19,5	21	21,5		
2	14,5	22	17,0	2	17,5	22	19,5		
3	17,0	23	21,0	3	20,0	23	22,5		
4	17,5	24	17,5	4	22,5	24	19,0		
5	18,5	25	19,0	5	22,5	25	21,0		
6	14,0	26	16,0	6	16,5	26	18,0		
7	23,5	27	20,0	7	26,0	27	21,0		
8	22,0	28	20,0	8	25,5	28	21,5		
9	16,5	29	16,0	9	20,5	29	19,0		
10	16,0	30	16,5	10	18,5	30	19,0		
11	15,5	31	21,5	11	18,5	31	24,0		
12	19,0	32	21,5	12	22,5	32	23,5		
13	17,0	33	22,0	13	21,0	33	24,5		
14	20,0	34	24,0	14	22,5	34	25,5		
15	18,0	35	20,5	15	21,0	35	22,0		
16	19,0	36	20,5	16	22,0	36	22,5		
17	18,5	37	20,0	17	23,0	37	22,0		
18	18,5	38	21,0	18	23,0	38	22,5		
19	24,5	39	18,0	19	30,5	39	19,5		
20	20,0	40	21,0	20	22,0	40	22,5		
	18,3		19,7		21,8		21,5	3,4	1,9
								18,7	9,5

Azienda F

Impianto 2019 - taglio tecnico primavera 2020

ID 2° M = Incremento diametrico annuale 2° anno piante di margine, in rosso incremento %

ID 2° I = Incremento diametrico annuale 2° anno piante interne, in rosso incremento %

08/04/2021				15/04/2022				ID 2° M	ID 2° I
DI MARGINE		INTERNE		DI MARGINE		INTERNE			
n.	diam. 130 (cm)	n.	diam. 130 (cm)	n.	diam. 130 (cm)	n.	diam. 130 (cm)		
1	10,0	21	9,0	1	14,0	21	12,5		
2	9,0	22	11,0	2	13,5	22	13,5		
3	8,0	23	9,0	3	12,0	23	13,0		
4	9,0	24	8,0	4	12,5	24	12,0		
5	9,0	25	9,0	5	12,0	25	12,0		
6	9,0	26	9,5	6	12,0	26	12,0		
7	7,0	27	10,0	7	12,0	27	13,0		
8	7,5	28	8,5	8	12,0	28	12,5		
9	7,0	29	9,5	9	11,0	29	12,5		
10	6,5	30	8,5	10	10,0	30	12,0		
11	7,0	31	9,5	11	11,5	31	13,0		
12	6,5	32	8,0	12	9,5	32	12,0		
13	6,5	33	8,5	13	10,0	33	12,0		
14	8,0	34	8,5	14	11,5	34	13,0		
15	7,0	35	9,0	15	11,0	35	12,5		
16	7,0	36	9,0	16	11,0	36	13,0		
17	7,5	37	9,0	17	12,0	37	12,5		
18	7,5	38	8,0	18	10,0	38	12,0		
19	7,0	39	9,0	19	10,5	39	13,0		
20	8,0	40	9,0	20	12,0	40	13,0		
	7,7		9,0		11,5		12,6	3,8	3,6
								49,4	39,8

Azienda I

Impianto 2019 - taglio tecnico marzo 2020

ID 2° M = Incremento diametrico annuale 2° anno piante di margine, in rosso incremento %

ID 2° I = Incremento diametrico annuale 2° anno piante interne, in rosso incremento %

E = Piante eliminata causa posa tubazione per metano

15/04/2021				15/04/2022				ID 2° M	ID 2° I
DI MARGINE		INTERNE		DI MARGINE		INTERNE			
n.	diam. 130 (cm)	n.	diam. 130 (cm)	n.	diam. 130 (cm)	n.	diam. 130 (cm)		
1	8,0	21	11,0	1	12,5	21	18,0		
2	9,5	22	10,5	2	15,5	22	17,5		
3	9,5	23	12,0	3	15,0	23	18,0		
4	11,0	24	12,0	4	18,0	24	18,5		
5	7,5	25	12,0	5	13,0	25	19,0		
6	9,0	26	11,0	6	16,0	26	18,0		
7	8,0	27	12,5	7	16,0	27	19,0		
8	10,0	28	11,5	8	16,5	28	19,0		
9	11,0	29	12,0	9	E	29	18,0		
10	9,5	30	12,0	10	E	30	19,5		
11	10,5	31	12,0	11	E	31	19,5		
12	10,0	32	12,0	12	E	32	19,0		
13	10,0	33	11,5	13	E	33	18,5		
14	10,5	34	11,5	14	16,5	34	18,0		
15	10,5	35	11,5	15	16,5	35	19,0		
16	11,5	36	12,0	16	16,5	36	18,0		
17	10,5	37	12,0	17	18,5	37	20,0		
18	9,0	38	12,0	18	17,0	38	18,0		
19	10,0	39	12,0	19	15,5	39	18,5		
20	10,5	40	11,5	20	15,5	40	17,5		
9,7		11,7		15,9		18,5		6,2	6,8
								64,5	58,0

Azienda H

Impianto maggio 2016 - taglio tecnico febbraio 2017

ID 5° M = Incremento diametrico annuale 5° anno piante di margine, in rosso incremento %

ID 5° I = Incremento diametrico annuale 5° anno piante interne, in rosso incremento %

U = vegetazione di 1 anno perché il fusto originario spezzato venne ritagliato alla base.

N = piante senza taglio tecnico quindi 0 + 5 anni

15/04/2021					14/04/2022					ID 5° M	ID 5° I
	DI MARGINE	U	INTERNE	N		DI MARGINE		INTERNE			
n.	diam. 130 (cm)		n.	diam. 130 (cm)		n.	diam. 130 (cm)	n.	diam. 130 (cm)		
1	18,0		21	23,0	N	1	20,0	21	25,0		
2	19,0		22	17,0		2	25,0	22	19,0		
3	18,5		23	13,5		3	21,5	23	14,5		
4	14,0		24	14,0		4	17,0	24	15,0		
5	13,0		25	14,0		5	13,5	25	14,5		
6	16,5		26	16,0		6	19,0	26	17,0		
7	22,0		27	19,0		7	25,0	27	20,5		
8	12,5		28	11,0		8	13,0	28	11,5		
9	15,5		29	15,5		9	17,0	29	Morta ed eliminata		
10	4,5	U	30	25,0		10	7,0	30	27,0		
11	19,0		31	18,5		11	22,0	31	20,0		
12	17,5		32	16,5		12	19,5	32	17,5		
13	18,0		33	15,0		13	21,0	33	15,5		
14	15,0		34	15,0		14	16,0	34	15,5		
15	4,5	U	35	16,0		15	5,0	35	17,5		
16	21,0		36	12,5		16	25,0	36	13,5		
17	15,0		37	19,0		17	16,5	37	21,0		
18	15,0		38	13,0		18	16,5	38	13,5		
19	17,5		39	22,0	N	19	20,5	39	24,0		
20	17,0		40	18,0		20	19,0	40	19,5		
	16,9			16,1			19,3		17,2	2,4	1,1

14,1 7,1

Azienda G

Impianto luglio 2019 - taglio tecnico febbraio 2020

ID 2° M = Incremento diametrico annuale 2° anno piante di margine, in rosso incremento %

ID 2° I = Incremento diametrico annuale 2° anno piante interne, in rosso incremento %

23/04/2021				19/04/2022				ID 2° M	ID 2° I
DI MARGINE		INTERNE		DI MARGINE		INTERNE			
n.	diam. 130 (cm)	n.	diam. 130 (cm)	n.	diam. 130 (cm)	n.	diam. 130 (cm)		
1	11,0	21	10,0	1	16,0	21	14,5		
2	11,5	22	8,0	2	16,5	22	12,0		
3	11,0	23	7,5	3	15,5	23	12,5		
4	10,5	24	9,0	4	14,0	24	13,0		
5	9,0	25	9,0	5	13,5	25	12,5		
6	7,5	26	9,5	6	10,5	26	14,0		
7	8,0	27	9,5	7	11,5	27	14,0		
8	10,0	28	10,0	8	14,0	28	14,0		
9	6,0	29	10,0	9	8,5	29	14,0		
10	10,0	30	9,0	10	13,0	30	13,0		
11	7,5	31	9,5	11	11,0	31	14,0		
12	8,5	32	10,5	12	13,0	32	15,0		
13	9,5	33	9,5	13	13,0	33	13,0		
14	9,5	34	9,5	14	13,0	34	13,5		
15	9,5	35	10,0	15	13,5	35	15,0		
16	9,0	36	9,0	16	12,0	36	13,5		
17	10,5	37	10,0	17	14,5	37	14,0		
18	9,5	38	10,5	18	14,5	38	14,5		
19	11,0	39	9,5	19	15,0	39	14,0		
20	10,0	40	10,0	20	14,0	40	14,0		
	9,5		9,5		13,3		13,7	3,9	4,2
								41,0	44,6

Azienda M

Impianto maggio 2019 - taglio tecnico aprile 2020

ID 2° M = Incremento diametrico annuale 2° anno piante di margine, in rosso incremento %

ID 2° I = Incremento diametrico annuale 2° anno piante interne, in rosso incremento %

23/04/2021				19/04/2022				ID 2° M	ID 2° I
DI MARGINE		INTERNE		DI MARGINE		INTERNE			
n.	diam. 130 (cm)	n.	diam. 130 (cm)	n.	diam. 130 (cm)	n.	diam. 130 (cm)		
1	10,5	21	12,5	1	18,5	21	18,0		
2	11,0	22	9,0	2	18,0	22	15,0		
3	11,5	23	12,0	3	19,0	23	20,0		
4	11,0	24	12,5	4	18,5	24	18,5		
5	13,0	25	12,0	5	19,5	25	18,5		
6	13,0	26	11,5	6	19,0	26	17,0		
7	11,0	27	11,5	7	19,0	27	18,5		
8	13,0	28	12,0	8	20,0	28	19,0		
9	13,0	29	10,0	9	21,0	29	16,5		
10	13,0	30	10,5	10	17,5	30	16,0		
11	14,0	31	12,0	11	20,5	31	19,0		
12	11,5	32	11,5	12	19,0	32	18,5		
13	12,5	33	13,0	13	20,0	33	18,5		
14	13,0	34	11,0	14	18,5	34	18,0		
15	13,0	35	12,5	15	20,5	35	18,0		
16	10,0	36	13,5	16	18,0	36	19,0		
17	10,0	37	12,0	17	18,0	37	18,5		
18	14,0	38	12,0	18	22,5	38	19,0		
19	9,0	39	13,0	19	18,0	39	20,0		
20	10,5	40	11,5	20	18,5	40	17,5		
11,9		11,8		19,2		18,2		7,3	6,4
								61,5	54,1

CORRELAZIONI FRA INCREMENTI DIAMETRICI DELLE PIANTE ESTERNE E INTERNE E L'ETÀ DEI POPOLAMENTI

	cm	Δ	%
Incremento diametrico annuale medio fra aziende 2° anno piante di margine	5,59	0,02	57,5
Incremento diametrico annuale medio fra aziende 2° anno piante interne	5,57		52,7
Incremento diametrico annuale medio fra aziende 3° anno piante di margine	4,40	1,11	36,5
Incremento diametrico annuale medio fra aziende 3° anno piante interne	3,29		27,1
Incremento diametrico annuale medio fra aziende 4° anno piante di margine	2,34	0,47	14,6
Incremento diametrico annuale medio fra aziende 4° anno piante interne	1,88		12,6
Incremento diametrico annuale medio fra aziende 5° anno piante di margine	3,03	1,59	15,3
Incremento diametrico annuale medio fra aziende 5° anno piante interne	1,43		8,0

Δ = differenza fra piante di margine e piante interne.

Nel conteggio degli anni non è considerato l'anno precedente al taglio tecnico per cui l'incremento al 2° anno è l'incremento diametrico avvenuto nel secondo anno successivo al taglio tecnico.

L'incremento diametrico annuale medio rilevato è maggiore per le piante di margine per tutte le età dei popolamenti indagati in quanto maggiore è la disponibilità di radiazione luminosa per singola pianta (la differenza di incremento è poco significativa per le piante più piccole in quanto non ancora in reciproca competizione luminosa). Da rilevare la rapida riduzione degli incrementi, sia per piante di margine che per piante interne, passando da impianti di 2 anni ad impianti di 5 anni. Solo per il 5° anno piante di margine i dati sono fuori tendenza probabilmente a causa della scarsa rappresentatività del campione e/o dell'orientamento cardinale delle piante esterne misurate.

RIASSUNTO INCREMENTI DIAMETRICI PER AZIENDA AGRICOLA E PER ETA' E RELATIVO CARBONIO ORGANICO NEL SUOLO (SOC)

SOC espresso in Mg*ha⁻¹

* = Dato medio fra i valori della Carta del Carbonio organico del suolo (SOC) relativi all'azienda di riferimento.

Azienda A	Impianto giovane		
	ID 2° M	ID 2° I	SOC
	cm 6,8	6,9	1,01 *
%	71,4	66,8	

Azienda F	ID 2° M	ID 2° I	SOC
	cm 3,8	3,6	0,99
	% 49,4	39,8	

Azienda I	ID 2° M	ID 2° I	SOC
	cm 6,2	6,8	0,90
	% 64,5	58,0	

Azienda G	ID 2° M	ID 2° I	SOC
	cm 3,9	4,2	1,10
	% 41,0	44,6	

Azienda M	ID 2° M	ID 2° I	SOC
	cm 7,3	6,4	0,93
	% 61,5	54,1	

Azienda L	ID 3° M		SOC
	cm 4,9		1,19 *
	% 40,3		

Azienda D	ID 3° M	ID 3° I	SOC
	cm 3,9	3,3	0,76 *
	% 32,7	27,1	

Azienda E	E(B)		
	ID 4° M	ID 4° I	SOC
	2,0	1,9	1,31
	15,2	14,2	
	E(D)		
	ID 4° M	ID 4° I	SOC
1,2	1,5	1,26	
10,2	11,8		

Azienda A	Impianto vecchio		
	ID 4° M	ID 4° I	SOC
	3,8	2,3	1,01 *
18,4	11,7		

Azienda N	ID 5° M	ID 5° I	SOC
	3,2	2,2	1,06
	15,8	13,6	

Azienda B	B(S)		
	ID 5° M	ID 5° I	SOC
	2,6	1,0	1,11
	12,2	5,1	
	B(A)		
	ID 5° M	ID 5° I	SOC
3,5	0,9	1,07	
15,7	4,6		

Azienda O	ID 5° M	ID 5° I	SOC
	3,4	1,9	1,28
	18,7	9,5	

Azienda H	ID 5° M	ID 5° I	SOC
	2,4	1,1	1,23
	14,1	7,1	

RAPPORTO FRA CARBONIO ORGANICO DEL SUOLO (SOC Stock espresso in Mg*ha⁻¹) E INCREMENTI DIAMETRICI PERCENTUALI SULLA SINGOLA PIANTA PER LE VARIE AZIENDE AGRICOLE

* = Dato medio fra i diversi valori della Carta del Carbonio organico del suolo (SOC) relativi all'azienda di riferimento.

Le righe vuote sono dovute all'assenza di un dato di rilievo, anche solo per un'anno, a causa di vari motivi: morte della pianta, assenza della pianta espiando dovuto al passaggio di metanodotto, ecc.

I diametri sono espressi in cm misurati a 1,3 m da terra.

Azienda	PIANTE DI MARGINE	PIANTE DI MARGINE	ID cm	ID %	POC	Età	*
	diam.	diam.					
N	27,0	29,5	2,5	9,3	1,06	5	
N	23,0	25,0	2,0	8,7	1,06	5	
N	20,0	23,5	3,5	17,5	1,06	5	
N	24,0	27,5	3,5	14,6	1,06	5	
N	23,0	27,0	4,0	17,4	1,06	5	
N	8,0	9,0	1,0	12,5	1,06	5	
N	27,0	29,5	2,5	9,3	1,06	5	
N	20,0	22,5	2,5	12,5	1,06	5	
N	22,0	25,0	3,0	13,6	1,06	5	
N	9,0	12,0	3,0	33,3	1,06	5	
N	22,0	25,0	3,0	13,6	1,06	5	
N	24,0	27,0	3,0	12,5	1,06	5	
N	24,0	28,0	4,0	16,7	1,06	5	
N	14,0	17,0	3,0	21,4	1,06	5	
N	23,0	27,0	4,0	17,4	1,06	5	
N	17,0	21,5	4,5	26,5	1,06	5	
N	24,0	28,0	4,0	16,7	1,06	5	
N	17,0	20,0	3,0	17,6	1,06	5	
N	16,0	18,5	2,5	15,6	1,06	5	
N	19,0	24,0	5,0	26,3	1,06	5	
L	12,0	17,0	5,0	41,7	1,19	3	*
L	13,0	15,5	2,5	19,2	1,19	3	*
L	12,0	16,5	4,5	37,5	1,19	3	*
L	12,0	17,0	5,0	41,7	1,19	3	*
L	12,0	17,0	5,0	41,7	1,19	3	*

Azienda	PIANTE INTERNE	PIANTE INTERNE	ID cm	ID %	POC	Età	*
	diam.	diam.					
N	20,0	22,5	2,5	12,5	1,06	5	
N	12,0	13,5	1,5	12,5	1,06	5	
N	14,0	16,0	2,0	14,3	1,06	5	
N	19,0	21,0	2,0	10,5	1,06	5	
N	16,0	17,5	1,5	9,4	1,06	5	
N	21,0	23,0	2,0	9,5	1,06	5	
N	18,0	19,0	1,0	5,6	1,06	5	
N	18,0	19,5	1,5	8,3	1,06	5	
N	20,0	22,0	2,0	10,0	1,06	5	
N	18,0	20,5	2,5	13,9	1,06	5	
N	13,0	15,0	2,0	15,4	1,06	5	
N	18,0	20,0	2,0	11,1	1,06	5	
N	17,0	20,0	3,0	17,6	1,06	5	
N	13,0	15,5	2,5	19,2	1,06	5	
N	11,0	13,5	2,5	22,7	1,06	5	
N	19,0	22,0	3,0	15,8	1,06	5	
N	17,0	20,0	3,0	17,6	1,06	5	
N	9,0	11,0	2,0	22,2	1,06	5	
N	15,0	18,0	3,0	20,0	1,06	5	
N	19,0	22,0	3,0	15,8	1,06	5	

L	11,0	16,0	5,0	45,5	1,19	3	*
L	13,0	18,0	5,0	38,5	1,19	3	*
L	13,0	18,0	5,0	38,5	1,19	3	*
L	12,0	17,0	5,0	41,7	1,19	3	*
L	13,0	19,0	6,0	46,2	1,19	3	*
L	13,0	18,5	5,5	42,3	1,19	3	*
L	12,0	16,5	4,5	37,5	1,19	3	*
L	11,0	16,5	5,5	50,0	1,19	3	*
L	11,0	16,0	5,0	45,5	1,19	3	*
L	13,0	17,5	4,5	34,6	1,19	3	*
L	13,0	17,0	4,0	30,8	1,19	3	*
L	10,0	16,0	6,0	60,0	1,19	3	*
L	12,0	16,0	4,0	33,3	1,19	3	*
L	12,0	17,5	5,5	45,8	1,19	3	*
L	12,0	17,0	5,0	41,7	1,19	3	*
E	16,0	17,0	1,0	6,3	1,31	4	
E	13,0	14,0	1,0	7,7	1,31	4	
E	11,0	12,0	1,0	9,1	1,31	4	
E	13,0	14,5	1,5	11,5	1,31	4	
E	12,5	15,0	2,5	20,0	1,31	4	
E	8,5	9,0	0,5	5,9	1,31	4	
E	13,0	15,0	2,0	15,4	1,31	4	
E	16,0	19,0	3,0	18,8	1,31	4	
E	12,5	14,5	2,0	16,0	1,31	4	
E	15,0	17,0	2,0	13,3	1,31	4	
E	14,0	15,5	1,5	10,7	1,31	4	
E	13,5	16,0	2,5	18,5	1,31	4	
E	13,0	15,0	2,0	15,4	1,31	4	
E	16,5	20,0	3,5	21,2	1,31	4	
E	13,0	16,0	3,0	23,1	1,31	4	
E	14,5	17,0	2,5	17,2	1,31	4	
E	9,5	11,0	1,5	15,8	1,31	4	
E	14,0	16,0	2,0	14,3	1,31	4	
E	14,0	16,5	2,5	17,9	1,31	4	
E	14,5	17,5	3,0	20,7	1,31	4	

E	14,0	16,0	2,0	14,3	1,31	4	
E	13,5	15,0	1,5	11,1	1,31	4	
E	14,0	15,0	1,0	7,1	1,31	4	
E	15,0	16,0	1,0	6,7	1,31	4	
E	14,5	16,5	2,0	13,8	1,31	4	
E	16,5	17,5	1,0	6,1	1,31	4	
E	14,0	15,0	1,0	7,1	1,31	4	
E	14,0	16,0	2,0	14,3	1,31	4	
E	10,0	14,5	4,5	45,0	1,31	4	
E	12,5	19,0	6,5	52,0	1,31	4	
E	11,5	13,5	2,0	17,4	1,31	4	
E	13,5	14,5	1,0	7,4	1,31	4	
E	11,0	12,0	1,0	9,1	1,31	4	
E	13,5	15,0	1,5	11,1	1,31	4	
E	12,5	13,5	1,0	8,0	1,31	4	
E	13,5	14,5	1,0	7,4	1,31	4	
E	13,0	16,0	3,0	23,1	1,31	4	
E	15,0	16,0	1,0	6,7	1,31	4	
E	15,0	16,0	1,0	6,7	1,31	4	
E	11,0	14,0	3,0	27,3	1,31	4	

E	14,0	15,5	1,5	10,7	1,26	4	
E	12,0	13,5	1,5	12,5	1,26	4	
E	9,0	9,5	0,5	5,6	1,26	4	
E	12,0	13,0	1,0	8,3	1,26	4	
E	14,0	15,0	1,0	7,1	1,26	4	
E	13,0	14,5	1,5	11,5	1,26	4	
E	13,0	14,0	1,0	7,7	1,26	4	
E	11,0	12,0	1,0	9,1	1,26	4	
E	10,5	11,5	1,0	9,5	1,26	4	
E	12,5	13,5	1,0	8,0	1,26	4	
E	12,0	13,5	1,5	12,5	1,26	4	
E	11,0	12,5	1,5	13,6	1,26	4	
E	12,5	14,0	1,5	12,0	1,26	4	
E	14,0	16,0	2,0	14,3	1,26	4	
E	13,5	15,5	2,0	14,8	1,26	4	
E	12,5	13,5	1,0	8,0	1,26	4	
E	11,0	11,5	0,5	4,5	1,26	4	
E	10,0	11,0	1,0	10,0	1,26	4	
E	10,0	11,5	1,5	15,0	1,26	4	
E	8,0	8,5	0,5	6,3	1,26	4	
B	24,0	28,0	4,0	16,7	1,11	5	
B	26,0	29,5	3,5	13,5	1,11	5	
B	22,0	24,0	2,0	9,1	1,11	5	
B	19,0	20,0	1,0	5,3	1,11	5	
B	21,5	23,5	2,0	9,3	1,11	5	
B	25,0	28,5	3,5	14,0	1,11	5	
B	19,0	21,0	2,0	10,5	1,11	5	
B	22,5	26,5	4,0	17,8	1,11	5	
B	27,5	29,5	2,0	7,3	1,11	5	
B	23,0	25,5	2,5	10,9	1,11	5	
B	25,5	27,5	2,0	7,8	1,11	5	
B	20,5	23,5	3,0	14,6	1,11	5	
B	25,5	30,0	4,5	17,6	1,11	5	
B	18,0	20,5	2,5	13,9	1,11	5	
B	14,0	14,5	0,5	3,6	1,11	5	

E	9,5	10,0	0,5	5,3	1,26	4	
E	8,5	9,0	0,5	5,9	1,26	4	
E	15,5	17,0	1,5	9,7	1,26	4	
E	12,5	13,5	1,0	8,0	1,26	4	
E	11,0	14,5	3,5	31,8	1,26	4	
E	14,5	15,5	1,0	6,9	1,26	4	
E	11,0	14,5	3,5	31,8	1,26	4	
E	14,0	15,5	1,5	10,7	1,26	4	
E	14,0	15,0	1,0	7,1	1,26	4	
E	11,0	11,5	0,5	4,5	1,26	4	
E	11,0	12,0	1,0	9,1	1,26	4	
E	12,0	15,5	3,5	29,2	1,26	4	
E	13,0	14,0	1,0	7,7	1,26	4	
E	11,0	14,0	3,0	27,3	1,26	4	
E	14,0	15,0	1,0	7,1	1,26	4	
E	15,0	16,0	1,0	6,7	1,26	4	
E	12,0	12,5	0,5	4,2	1,26	4	
E	11,0	12,5	1,5	13,6	1,26	4	
E	13,0	14,0	1,0	7,7	1,26	4	
E	13,0	14,0	1,0	7,7	1,26	4	
B	17,5	18,0	0,5	2,9	1,11	5	
B	22,0	22,0	0,0	0,0	1,11	5	
B	19,0	19,5	0,5	2,6	1,11	5	
B	21,0	22,0	1,0	4,8	1,11	5	
B	23,5	24,5	1,0	4,3	1,11	5	
B	17,5	18,5	1,0	5,7	1,11	5	
B	24,0	25,0	1,0	4,2	1,11	5	
B	22,5	23,0	0,5	2,2	1,11	5	
B	22,0	22,5	0,5	2,3	1,11	5	
B	18,5	20,0	1,5	8,1	1,11	5	
B	20,0	21,0	1,0	5,0	1,11	5	
B	19,0	21,5	2,5	13,2	1,11	5	
B	24,0	26,0	2,0	8,3	1,11	5	
B	16,5	17,0	0,5	3,0	1,11	5	
B	19,5	21,5	2,0	10,3	1,11	5	

B	16,0	18,0	2,0	12,5	1,11	5	
B	18,5	20,5	2,0	10,8	1,11	5	
B	24,0	29,5	5,5	22,9	1,11	5	
B	19,0	21,0	2,0	10,5	1,11	5	
B	21,0	23,0	2,0	9,5	1,11	5	
B	21,0	22,0	1,0	4,8	1,07	5	
B	20,0	21,0	1,0	5,0	1,07	5	
B	26,0	31,0	5,0	19,2	1,07	5	
B	17,0	20,0	3,0	17,6	1,07	5	
B	19,0	22,5	3,5	18,4	1,07	5	
B	25,0	27,5	2,5	10,0	1,07	5	
B	14,5	18,0	3,5	24,1	1,07	5	
B	28,0	32,0	4,0	14,3	1,07	5	
B	26,0	29,5	3,5	13,5	1,07	5	
B	25,0	27,0	2,0	8,0	1,07	5	
B	25,0	27,0	2,0	8,0	1,07	5	
B	20,5	25,5	5,0	24,4	1,07	5	
B	17,0	21,0	4,0	23,5	1,07	5	
B	22,0	27,5	5,5	25,0	1,07	5	
B	23,0	28,0	5,0	21,7	1,07	5	
B	26,5	30,5	4,0	15,1	1,07	5	
B	20,5	25,5	5,0	24,4	1,07	5	
B	27,0	31,0	4,0	14,8	1,07	5	
B	21,0	24,0	3,0	14,3	1,07	5	
B	24,0	28,0	4,0	16,7	1,07	5	
A	8,5	16,0	7,5	88,2	1,01	2	*
A	9,0	14,5	5,5	61,1	1,01	2	*
A							
A	10,0	17,0	7,0	70,0	1,01	2	*
A							
A	10,5	17,0	6,5	61,9	1,01	2	*
A	9,0	16,0	7,0	77,8	1,01	2	*
A	10,0	16,0	6,0	60,0	1,01	2	*
A	10,0	17,0	7,0	70,0	1,01	2	*
A	9,0	15,0	6,0	66,7	1,01	2	*

B	14,5	14,5	0,0	0,0	1,11	5	
B	23,0	25,0	2,0	8,7	1,11	5	
B	20,5	21,5	1,0	4,9	1,11	5	
B	15,0	15,5	0,5	3,3	1,11	5	
B	19,0	20,5	1,5	7,9	1,11	5	
B	16,0	16,0	0,0	0,0	1,07	5	
B	21,0	22,5	1,5	7,1	1,07	5	
B	24,0	25,0	1,0	4,2	1,07	5	
B	20,0	21,5	1,5	7,5	1,07	5	
B							
B	16,0	16,0	0,0	0,0	1,07	5	
B	23,5	25,0	1,5	6,4	1,07	5	
B	24,0	25,0	1,0	4,2	1,07	5	
B	16,0	17,0	1,0	6,3	1,07	5	
B	24,0	25,0	1,0	4,2	1,07	5	
B	15,0	15,5	0,5	3,3	1,07	5	
B	18,0	18,5	0,5	2,8	1,07	5	
B	22,5	23,0	0,5	2,2	1,07	5	
B	16,0	16,0	0,0	0,0	1,07	5	
B	19,0	20,0	1,0	5,3	1,07	5	
B	18,0	19,0	1,0	5,6	1,07	5	
B	16,5	17,5	1,0	6,1	1,07	5	
B	14,5	15,5	1,0	6,9	1,07	5	
B	19,0	21,0	2,0	10,5	1,07	5	
B	24,0	25,0	1,0	4,2	1,07	5	
A	10,5	17,5	7,0	66,7	1,01	2	*
A	10,5	17,5	7,0	66,7	1,01	2	*
A	11,0	17,5	6,5	59,1	1,01	2	*
A	10,0	17,5	7,5	75,0	1,01	2	*
A							
A	11,0	17,0	6,0	54,5	1,01	2	*
A	10,0	16,0	6,0	60,0	1,01	2	*
A	10,5	18,0	7,5	71,4	1,01	2	*
A	10,5	17,0	6,5	61,9	1,01	2	*
A	9,5	17,0	7,5	78,9	1,01	2	*

A	9,0	12,0	3,0	33,3	1,01	2	*
A							
A	9,5	18,0	8,5	89,5	1,01	2	*
A	9,5	16,0	6,5	68,4	1,01	2	*
A	9,0	16,5	7,5	83,3	1,01	2	*
A	10,0	17,0	7,0	70,0	1,01	2	*
A	9,5	18,0	8,5	89,5	1,01	2	*
A	9,5	16,0	6,5	68,4	1,01	2	*
A	10,5	18,5	8,0	76,2	1,01	2	*
A	8,5	15,5	7,0	82,4	1,01	2	*
A	19,5	23,5	4,0	20,5	1,01	4	*
A	20,5	24,5	4,0	19,5	1,01	4	*
A	17,5	20,5	3,0	17,1	1,01	4	*
A	23,0	27,5	4,5	19,6	1,01	4	*
A	20,0	24,0	4,0	20,0	1,01	4	*
A	19,5	23,5	4,0	20,5	1,01	4	*
A	20,0	22,0	2,0	10,0	1,01	4	*
A	18,5	21,5	3,0	16,2	1,01	4	*
A	19,5	23,5	4,0	20,5	1,01	4	*
A	21,0	25,0	4,0	19,0	1,01	4	*
A	22,0	25,5	3,5	15,9	1,01	4	*
A	22,0	25,0	3,0	13,6	1,01	4	*
A	15,5	17,5	2,0	12,9	1,01	4	*
A	24,0	29,0	5,0	20,8	1,01	4	*
A	23,0	28,0	5,0	21,7	1,01	4	*
A	22,0	27,0	5,0	22,7	1,01	4	*
A	20,0	23,5	3,5	17,5	1,01	4	*
A	22,5	28,0	5,5	24,4	1,01	4	*
A	18,0	20,0	2,0	11,1	1,01	4	*
A	24,0	29,0	5,0	20,8	1,01	4	*
D	13,5	17,0	3,5	25,9	0,76	3	
D							
D	10,0	13,5	3,5	35,0	0,76	3	
D					0,76	3	
D	11,5	16,0	4,5	39,1	0,76	3	

A	10,0	18,0	8,0	80,0	1,01	2	*
A	10,0	16,5	6,5	65,0	1,01	2	*
A							
A	10,0	18,0	8,0	80,0	1,01	2	*
A	10,0	17,0	7,0	70,0	1,01	2	*
A	10,5	17,0	6,5	61,9	1,01	2	*
A	10,0	17,0	7,0	70,0	1,01	2	*
A	10,5	17,0	6,5	61,9	1,01	2	*
A	11,5	18,0	6,5	56,5	1,01	2	*
A	9,5	16,0	6,5	68,4	1,01	2	*
A	22,0	25,0	3,0	13,6	1,01	4	*
A	14,0	17,0	3,0	21,4	1,01	4	*
A	22,0	24,5	2,5	11,4	1,01	4	*
A	23,0	26,0	3,0	13,0	1,01	4	*
A	17,0	19,0	2,0	11,8	1,01	4	*
A	19,5	21,5	2,0	10,3	1,01	4	*
A	19,0	20,5	1,5	7,9	1,01	4	*
A	22,0	24,5	2,5	11,4	1,01	4	*
A	12,5	14,0	1,5	12,0	1,01	4	*
A	22,0	25,0	3,0	13,6	1,01	4	*
A	20,0	23,0	3,0	15,0	1,01	4	*
A	20,5	23,0	2,5	12,2	1,01	4	*
A	16,5	18,0	1,5	9,1	1,01	4	*
A	12,0	12,5	0,5	4,2	1,01	4	*
A	22,5	25,0	2,5	11,1	1,01	4	*
A	20,0	21,5	1,5	7,5	1,01	4	*
A	20,0	22,5	2,5	12,5	1,01	4	*
A	20,5	22,5	2,0	9,8	1,01	4	*
A	22,5	25,0	2,5	11,1	1,01	4	*
A	22,0	25,0	3,0	13,6	1,01	4	*
D	10,5	13,0	2,5	23,8	0,76	3	*
D	10,5	13,0	2,5	23,8	0,76	3	*
D	10,5	12,5	2,0	19,0	0,76	3	*
D	10,0	12,5	2,5	25,0	0,76	3	*
D	15,5	19,0	3,5	22,6	0,76	3	*

D	13,5	17,5	4,0	29,6	0,76	3	
D							
D							
D	13,5	17,5	4,0	29,6	0,76	3	
D	13,5	17,5	4,0	29,6	0,76	3	
D	13,5	18,0	4,5	33,3	0,76	3	
D							
D	9,5	13,0	3,5	36,8	0,76	3	
D	10,0	13,5	3,5	35,0	0,76	3	
D	11,0	14,5	3,5	31,8	0,76	3	
D	10,5	14,5	4,0	38,1	0,76	3	
D							
D	12,5	17,0	4,5	36,0	0,76	3	
D							
D	13,5	17,5	4,0	29,6	0,76	3	
O	17,0	19,5	2,5	14,7	1,28	5	
O	14,5	17,5	3,0	20,7	1,28	5	
O	17,0	20,0	3,0	17,6	1,28	5	
O	17,5	22,5	5,0	28,6	1,28	5	
O	18,5	22,5	4,0	21,6	1,28	5	
O	14,0	16,5	2,5	17,9	1,28	5	
O	23,5	26,0	2,5	10,6	1,28	5	
O	22,0	25,5	3,5	15,9	1,28	5	
O	16,5	20,5	4,0	24,2	1,28	5	
O	16,0	18,5	2,5	15,6	1,28	5	
O	15,5	18,5	3,0	19,4	1,28	5	
O	19,0	22,5	3,5	18,4	1,28	5	
O	17,0	21,0	4,0	23,5	1,28	5	
O	20,0	22,5	2,5	12,5	1,28	5	
O	18,0	21,0	3,0	16,7	1,28	5	
O	19,0	22,0	3,0	15,8	1,28	5	
O	18,5	23,0	4,5	24,3	1,28	5	
O	18,5	23,0	4,5	24,3	1,28	5	
O	24,5	30,5	6,0	24,5	1,28	5	
O	20,0	22,0	2,0	10,0	1,28	5	

D	13,5	17,5	4,0	29,6	0,76	3	*
D							
D	12,5	15,5	3,0	24,0	0,76	3	*
D	14,0	17,5	3,5	25,0	0,76	3	*
D	9,0	9,5	0,5	5,6	0,76	3	*
D	13,0	16,5	3,5	26,9	0,76	3	*
D	13,0	17,0	4,0	30,8	0,76	3	*
D	11,0	15,0	4,0	36,4	0,76	3	*
D	13,0	16,0	3,0	23,1	0,76	3	*
D	12,5	17,0	4,5	36,0	0,76	3	*
D	14,5	19,0	4,5	31,0	0,76	3	*
D	11,0	14,5	3,5	31,8	0,76	3	*
D	12,5	16,5	4,0	32,0	0,76	3	*
D	13,0	17,0	4,0	30,8	0,76	3	*
D	11,5	15,0	3,5	30,4	0,76	3	*
O	20,0	21,5	1,5	7,5	1,28	5	
O	17,0	19,5	2,5	14,7	1,28	5	
O	21,0	22,5	1,5	7,1	1,28	5	
O	17,5	19,0	1,5	8,6	1,28	5	
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O	20,0	21,0	1,0	5,0	1,28	5	
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O	16,0	19,0	3,0	18,8	1,28	5	
O	16,5	19,0	2,5	15,2	1,28	5	
O	21,5	24,0	2,5	11,6	1,28	5	
O	21,5	23,5	2,0	9,3	1,28	5	
O	22,0	24,5	2,5	11,4	1,28	5	
O	24,0	25,5	1,5	6,3	1,28	5	
O	20,5	22,0	1,5	7,3	1,28	5	
O	20,5	22,5	2,0	9,8	1,28	5	
O	20,0	22,0	2,0	10,0	1,28	5	
O	21,0	22,5	1,5	7,1	1,28	5	
O	18,0	19,5	1,5	8,3	1,28	5	
O	21,0	22,5	1,5	7,1	1,28	5	

F	10,0	14,0	4,0	40,0	0,99	2	
F	9,0	13,5	4,5	50,0	0,99	2	
F	8,0	12,0	4,0	50,0	0,99	2	
F	9,0	12,5	3,5	38,9	0,99	2	
F	9,0	12,0	3,0	33,3	0,99	2	
F	9,0	12,0	3,0	33,3	0,99	2	
F	7,0	12,0	5,0	71,4	0,99	2	
F	7,5	12,0	4,5	60,0	0,99	2	
F	7,0	11,0	4,0	57,1	0,99	2	
F	6,5	10,0	3,5	53,8	0,99	2	
F	7,0	11,5	4,5	64,3	0,99	2	
F	6,5	9,5	3,0	46,2	0,99	2	
F	6,5	10,0	3,5	53,8	0,99	2	
F	8,0	11,5	3,5	43,8	0,99	2	
F	7,0	11,0	4,0	57,1	0,99	2	
F	7,0	11,0	4,0	57,1	0,99	2	
F	7,5	12,0	4,5	60,0	0,99	2	
F	7,5	10,0	2,5	33,3	0,99	2	
F	7,0	10,5	3,5	50,0	0,99	2	
F	8,0	12,0	4,0	50,0	0,99	2	
I	8,0	12,5	4,5	56,3	0,90	2	
I	9,5	15,5	6,0	63,2	0,90	2	
I	9,5	15,0	5,5	57,9	0,90	2	
I	11,0	18,0	7,0	63,6	0,90	2	
I	7,5	13,0	5,5	73,3	0,90	2	
I	9,0	16,0	7,0	77,8	0,90	2	
I	8,0	16,0	8,0	100,0	0,90	2	
I	10,0	16,5	6,5	65,0	0,90	2	
I							
I							
I							
I							
I							
I	10,5	16,5	6,0	57,1	0,90	2	
I	10,5	16,5	6,0	57,1	0,90	2	

F	9,0	12,5	3,5	38,9	0,99	2	
F	11,0	13,5	2,5	22,7	0,99	2	
F	9,0	13,0	4,0	44,4	0,99	2	
F	8,0	12,0	4,0	50,0	0,99	2	
F	9,0	12,0	3,0	33,3	0,99	2	
F	9,5	12,0	2,5	26,3	0,99	2	
F	10,0	13,0	3,0	30,0	0,99	2	
F	8,5	12,5	4,0	47,1	0,99	2	
F	9,5	12,5	3,0	31,6	0,99	2	
F	8,5	12,0	3,5	41,2	0,99	2	
F	9,5	13,0	3,5	36,8	0,99	2	
F	8,0	12,0	4,0	50,0	0,99	2	
F	8,5	12,0	3,5	41,2	0,99	2	
F	8,5	13,0	4,5	52,9	0,99	2	
F	9,0	12,5	3,5	38,9	0,99	2	
F	9,0	13,0	4,0	44,4	0,99	2	
F	9,0	12,5	3,5	38,9	0,99	2	
F	8,0	12,0	4,0	50,0	0,99	2	
F	9,0	13,0	4,0	44,4	0,99	2	
F	9,0	13,0	4,0	44,4	0,99	2	
I	11,0	18,0	7,0	63,6	0,90	2	
I	10,5	17,5	7,0	66,7	0,90	2	
I	12,0	18,0	6,0	50,0	0,90	2	
I	12,0	18,5	6,5	54,2	0,90	2	
I	12,0	19,0	7,0	58,3	0,90	2	
I	11,0	18,0	7,0	63,6	0,90	2	
I	12,5	19,0	6,5	52,0	0,90	2	
I	11,5	19,0	7,5	65,2	0,90	2	
I	12,0	18,0	6,0	50,0	0,90	2	
I	12,0	19,5	7,5	62,5	0,90	2	
I	12,0	19,5	7,5	62,5	0,90	2	
I	12,0	19,0	7,0	58,3	0,90	2	
I	11,5	18,5	7,0	60,9	0,90	2	
I	11,5	18,0	6,5	56,5	0,90	2	
I	11,5	19,0	7,5	65,2	0,90	2	

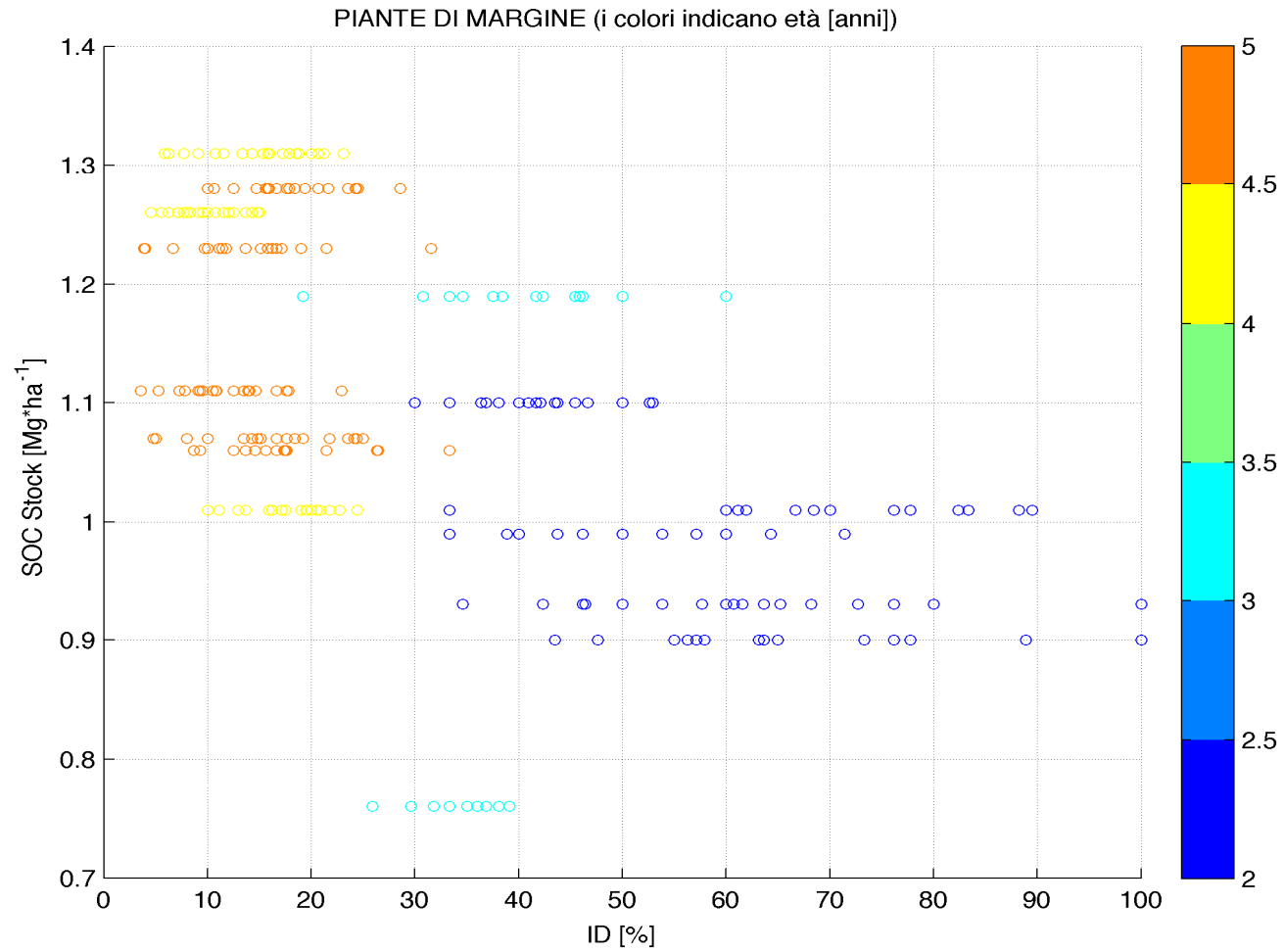
I	11,5	16,5	5,0	43,5	0,90	2	
I	10,5	18,5	8,0	76,2	0,90	2	
I	9,0	17,0	8,0	88,9	0,90	2	
I	10,0	15,5	5,5	55,0	0,90	2	
I	10,5	15,5	5,0	47,6	0,90	2	
H	18,0	20,0	2,0	11,1	1,23	5	
H	19,0	25,0	6,0	31,6	1,23	5	
H	18,5	21,5	3,0	16,2	1,23	5	
H	14,0	17,0	3,0	21,4	1,23	5	
H	13,0	13,5	0,5	3,8	1,23	5	
H	16,5	19,0	2,5	15,2	1,23	5	
H	22,0	25,0	3,0	13,6	1,23	5	
H	12,5	13,0	0,5	4,0	1,23	5	
H	15,5	17,0	1,5	9,7	1,23	5	
H							
H	19,0	22,0	3,0	15,8	1,23	5	
H	17,5	19,5	2,0	11,4	1,23	5	
H	18,0	21,0	3,0	16,7	1,23	5	
H	15,0	16,0	1,0	6,7	1,23	5	
H							
H	21,0	25,0	4,0	19,0	1,23	5	
H	15,0	16,5	1,5	10,0	1,23	5	
H	15,0	16,5	1,5	10,0	1,23	5	
H	17,5	20,5	3,0	17,1	1,23	5	
H	17,0	19,0	2,0	11,8	1,23	5	
G	11,0	16,0	5,0	45,5	1,10	2	
G	11,5	16,5	5,0	43,5	1,10	2	
G	11,0	15,5	4,5	40,9	1,10	2	
G	10,5	14,0	3,5	33,3	1,10	2	
G	9,0	13,5	4,5	50,0	1,10	2	
G	7,5	10,5	3,0	40,0	1,10	2	
G	8,0	11,5	3,5	43,8	1,10	2	
G	10,0	14,0	4,0	40,0	1,10	2	
G	6,0	8,5	2,5	41,7	1,10	2	
G	10,0	13,0	3,0	30,0	1,10	2	

I	12,0	18,0	6,0	50,0	0,90	2	
I	12,0	20,0	8,0	66,7	0,90	2	
I	12,0	18,0	6,0	50,0	0,90	2	
I	12,0	18,5	6,5	54,2	0,90	2	
I	11,5	17,5	6,0	52,2	0,90	2	
H							
H	17,0	19,0	2,0	11,8	1,23	5	
H	13,5	14,5	1,0	7,4	1,23	5	
H	14,0	15,0	1,0	7,1	1,23	5	
H	14,0	14,5	0,5	3,6	1,23	5	
H	16,0	17,0	1,0	6,3	1,23	5	
H	19,0	20,5	1,5	7,9	1,23	5	
H	11,0	11,5	0,5	4,5	1,23	5	
H							
H	25,0	27,0	2,0	8,0	1,23	5	
H	18,5	20,0	1,5	8,1	1,23	5	
H	16,5	17,5	1,0	6,1	1,23	5	
H	15,0	15,5	0,5	3,3	1,23	5	
H	15,0	15,5	0,5	3,3	1,23	5	
H	16,0	17,5	1,5	9,4	1,23	5	
H	12,5	13,5	1,0	8,0	1,23	5	
H	19,0	21,0	2,0	10,5	1,23	5	
H	13,0	13,5	0,5	3,8	1,23	5	
H							
H	18,0	19,5	1,5	8,3	1,23	5	
G	10,0	14,5	4,5	45,0	1,10	2	
G	8,0	12,0	4,0	50,0	1,10	2	
G	7,5	12,5	5,0	66,7	1,10	2	
G	9,0	13,0	4,0	44,4	1,10	2	
G	9,0	12,5	3,5	38,9	1,10	2	
G	9,5	14,0	4,5	47,4	1,10	2	
G	9,5	14,0	4,5	47,4	1,10	2	
G	10,0	14,0	4,0	40,0	1,10	2	
G	10,0	14,0	4,0	40,0	1,10	2	
G	9,0	13,0	4,0	44,4	1,10	2	

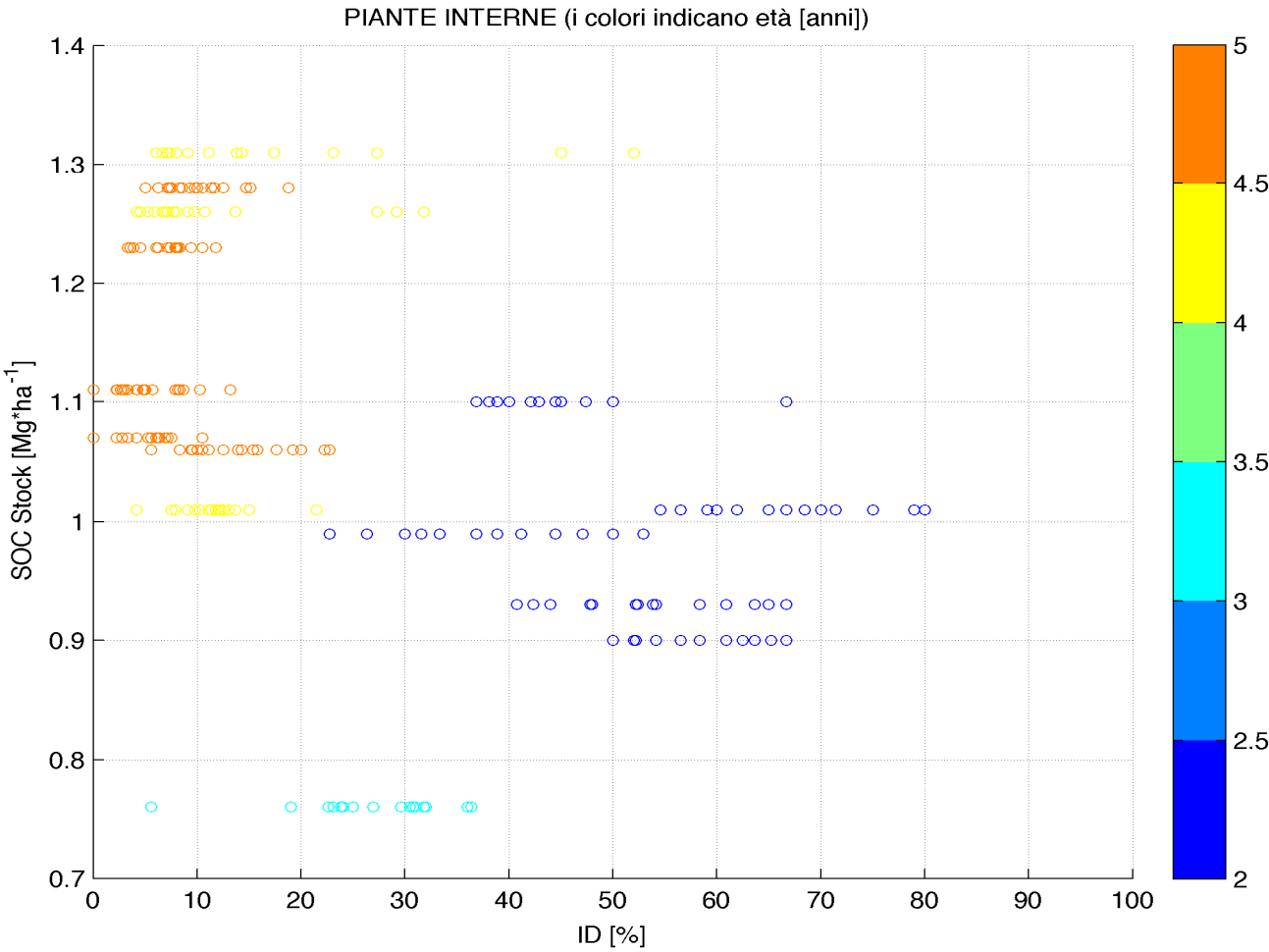
G	7,5	11,0	3,5	46,7	1,10	2	
G	8,5	13,0	4,5	52,9	1,10	2	
G	9,5	13,0	3,5	36,8	1,10	2	
G	9,5	13,0	3,5	36,8	1,10	2	
G	9,5	13,5	4,0	42,1	1,10	2	
G	9,0	12,0	3,0	33,3	1,10	2	
G	10,5	14,5	4,0	38,1	1,10	2	
G	9,5	14,5	5,0	52,6	1,10	2	
G	11,0	15,0	4,0	36,4	1,10	2	
G	10,0	14,0	4,0	40,0	1,10	2	
M	10,5	18,5	8,0	76,2	0,93	2	
M	11,0	18,0	7,0	63,6	0,93	2	
M	11,5	19,0	7,5	65,2	0,93	2	
M	11,0	18,5	7,5	68,2	0,93	2	
M	13,0	19,5	6,5	50,0	0,93	2	
M	13,0	19,0	6,0	46,2	0,93	2	
M	11,0	19,0	8,0	72,7	0,93	2	
M	13,0	20,0	7,0	53,8	0,93	2	
M	13,0	21,0	8,0	61,5	0,93	2	
M	13,0	17,5	4,5	34,6	0,93	2	
M	14,0	20,5	6,5	46,4	0,93	2	
M	11,5	19,0	7,5	65,2	0,93	2	
M	12,5	20,0	7,5	60,0	0,93	2	
M	13,0	18,5	5,5	42,3	0,93	2	
M	13,0	20,5	7,5	57,7	0,93	2	
M	10,0	18,0	8,0	80,0	0,93	2	
M	10,0	18,0	8,0	80,0	0,93	2	
M	14,0	22,5	8,5	60,7	0,93	2	
M	9,0	18,0	9,0	100,0	0,93	2	
M	10,5	18,5	8,0	76,2	0,93	2	

G	9,5	14,0	4,5	47,4	1,10	2	
G	10,5	15,0	4,5	42,9	1,10	2	
G	9,5	13,0	3,5	36,8	1,10	2	
G	9,5	13,5	4,0	42,1	1,10	2	
G	10,0	15,0	5,0	50,0	1,10	2	
G	9,0	13,5	4,5	50,0	1,10	2	
G	10,0	14,0	4,0	40,0	1,10	2	
G	10,5	14,5	4,0	38,1	1,10	2	
G	9,5	14,0	4,5	47,4	1,10	2	
G	10,0	14,0	4,0	40,0	1,10	2	
M	12,5	18,0	5,5	44,0	0,93	2	
M	9,0	15,0	6,0	66,7	0,93	2	
M	12,0	20,0	8,0	66,7	0,93	2	
M	12,5	18,5	6,0	48,0	0,93	2	
M	12,0	18,5	6,5	54,2	0,93	2	
M	11,5	17,0	5,5	47,8	0,93	2	
M	11,5	18,5	7,0	60,9	0,93	2	
M	12,0	19,0	7,0	58,3	0,93	2	
M	10,0	16,5	6,5	65,0	0,93	2	
M	10,5	16,0	5,5	52,4	0,93	2	
M	12,0	19,0	7,0	58,3	0,93	2	
M	11,5	18,5	7,0	60,9	0,93	2	
M	13,0	18,5	5,5	42,3	0,93	2	
M	11,0	18,0	7,0	63,6	0,93	2	
M	12,5	18,0	5,5	44,0	0,93	2	
M	13,5	19,0	5,5	40,7	0,93	2	
M	12,0	18,5	6,5	54,2	0,93	2	
M	12,0	19,0	7,0	58,3	0,93	2	
M	13,0	20,0	7,0	53,8	0,93	2	
M	11,5	17,5	6,0	52,2	0,93	2	

Scatter plot SOC/Incremento Diametrico in % per piante di margine



Scatter plot SOC/Incremento Diametrico in % per piante interne



Considerazioni in merito al rapporto tra carbonio organico del suolo (SOC stock espresso in $\text{mg}\cdot\text{ha}^{-1}$) e incrementi diametrici percentuali sulla singola pianta per le varie aziende agricole.

I soprastanti grafici di dispersione non evidenziano (sia per le piante di margine che per le piante interne) la maggior crescita delle piante con valori di SOC più alti. Questo può essere dovuto a più fattori quali:

- non sufficiente rappresentatività del campione,
- maglia ampia del reticolato di rappresentazione del SOC nella Carta dei Suoli della Regione Emilia-Romagna rispetto alla dimensione degli appezzamenti coltivati a Paulownia,
- eterogeneità dei suoli all'interno dei singoli appezzamenti coltivati,
- diverse tecniche agronomiche utilizzate dalle aziende campione che hanno influenzato gli incrementi diametrici indipendentemente dal valore di SOC.

Si evidenzia comunque la maggiore compressione degli incrementi percentuali di diametro per le piante più grandi dovuto probabilmente alla maggiore competizione luminosa fra individui che limita la produzione di massa legnosa.