



bio poplar s.r.l.

**CLONES'  
PRODUCTIVITY**



## General data: biomass estimation of a five-year old implant

Locality: loc. Sant'Isidoro, 12030 Cavallermaggiore (CN) (Italy)

Evaluated clones: Vesten, Oudenberg, Muur e I-214

Spacing: 3 x 2 m

Planting density: 1660 plants/Ha

Year of plantation: 2010

Table		Vesten	Oudenberg	Muur	I-214	Orion**	Baldo**
plant's total average fresh weight	kg	171,08	143,74	120,98	113,00	158,70	145,40
average fresh weight only log	kg	132,55	109,80	100,89	83,14	113,82	105,98
average fresh weight only fresh branches	kg	36,86	31,44	18,95	27,38	42,38	36,68
average circumference at 1,30 m	cm	53,37	49,93	49,61	46,47	50,00	57,00
medium basal density	g/cm <sup>3</sup>	0,32	0,33	0,31	0,28	0,37	0,35
average dry substance	g/g	0,44	0,46	0,46	0,43	0,45	0,50
% humidity at cutting	%	56,50*	54,40*	53,90*	56,90*	54,60	50,60
fresh weight tot Kg/36m <sup>2</sup> /5years	kg	1026,53	862,46	725,88	678,00	/	/
fresh weight tot T/ha/5years	T	285,1	239,6	201,6	188,3	264,6	242,4
fresh weight tot T/ha/year	T	57,0	47,9	40,3	37,67	52,91	48,48
dry weight tot T/ha/year	T	24,81	21,85	18,59	16,23	24,02	23,95
fresh weight leaves T/ha/year	T	2,60	3,00	2,40	3,70	/	/

\* The test was performed in May with the plants already in phase of vegetation therefore with a higher water content

\*\* The data have been provided by the CRA of Casale Monferrato

