



ONE12-156 – Integrating ground cover crops and new herbicide strategies (conventional and organic) for tree growth and soil health -- Part II.

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Impact of Herbicide Programs on Tree Growth

Table x. Percent increase in trunk cross-sectional area (TSCA cm²) over 2 years of herbicide treatments and final TSCA. *(Table not for publication)*

TRT	Mason		Lamont	
	Total % increase TCSA	TCSA	Total % increase TCSA	TCSA
Prowl+P	272 ab	8.6 ab	395 ab	6.2 bcd
Prowl+G	258 ab	7.6 bc	437 a	7.7 a
Prowl+Chat+P	248 b	7.0 bc	382 ab	6.5 abc
Prowl+Chat+G	225 b	6.4 bc	366 ab	6.7 ab
Prowl+GoalT+P	223 b	7.2 bc	351 ab	6.3 abcd
Surflan+P	293 ab	7.4 bc	293 b	5.4 bcd
Surflan+Chat+P	241 b	6.6 bc	380 ab	6.1 bcd
Surflan+GoalT+P	314 ab	7.9 abc	408 ab	6.8 ab
Surflan+Matrix+P	270 ab	7.8 abc	313 ab	5.2 cd
Surflan+GoalT+Matrix+P	240 b	6.3 bc	304 b	5.2 cde
Sinbar+P	223 b	6.4 bc	305 b	5.0 de
P/Rely	305 ab	7.6 bc	285 bc	5.3 cd
Matrix	274 ab	6.5 bc	nd	nd
Alion	390 a	10.2 a	nd	nd
Simazine+diuron	310 ab	7.8 abc	nd	nd
Untreated	252 b	5.4 c	157 c	3.8 e