

Golf Stop 4 - Part II

Investigations into Possible Biological Control of *Poa trivialis*

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Poa trivialis is a common contaminant in seed lots. Once *P. trivialis* is established in a desirable turfgrass stand, it is nearly impossible to selectively eradicate. This is a preliminary field study in which *P. trivialis* has been stressed by treatment with a *Xanthomonas* bacterium. This organism has been used to cause typical wilt symptoms in *P. trivialis* that are similar to those seen in creeping bentgrass infected with *Xanthomonas campestris* (bacterial wilt.) At this point, it is too early to know whether *P. trivialis* can be controlled with this bacterium (*Xanthomonas*-like.)

Treatments	Rate	Application Interval
1. <i>Xanthomonas sp.</i>	5*10 ⁸ CFU/cm ²	Daily
2. Autoclaved broth	Volume as above	Daily
3. Mycoshield	2.5#/1000ft ²	14 days
4. Untreated control	-----	-----

New Building

	A	B	C	D
1	1	2	3	4
2	2	4	2	3
3	3	1	4	1
4	4	3	1	2

North