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Root damage from pulling leafy spurge

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An experiment was conducted to determine leafy spurge root damage from pulling. The experiment was located on a heavily infested pasture near Whitehall, Montana. Plants growing on three different soil textures were sampled. A torque wrench was used to pull the plants. All measurements were taken immediately after pulling.

Treatment					
Trt. No.	Soil Texture	Soil Moisture	Date taken on 8-3-82		
			STM DIA (mm)	ROOT LGT (cm)	FT. LBS/ stem
1	Silt loam	moist	5.8	4.8	4.3
2	Silt loam	dry	3.9	2.4	4.0
3	Rocky	dry	4.3	3.3	6.0
		C.V. -	31.43	62.14	74.01
		LSD 5% -	1.56	2.34	3.77

The most root damage occurred on plants pulled on moist silt loam soils.