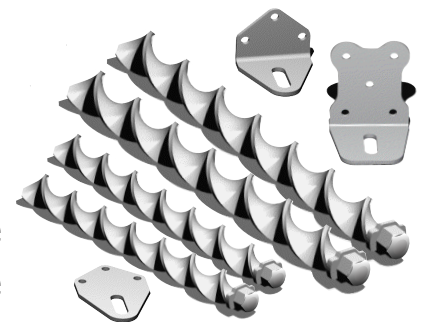


Marquee Stake v Spirafix™ Anchor Comparison



- **Greater Hold** - they hold considerably better than a 25mm diameter marquee stake, both when used to tether at 45° and when holding down base plates.
- **Displaces Less Soil** - thereby reducing the amount of energy needed to deploy them and create less disturbance to the soil once removed.
- **Easy to Remove** - using a socket and “T” bar to unscrew them and doing less damage to the site as a result.
- **Weigh Less** - which reduces the load carried to and from the site.

	Stake	Spirafix™	Difference
Length	440mm	440mm	
Diameter	25mm	40mm	
Weight	1.6kgs	1.1kgs	31% less
Vertical Pullout	275kgs	623kgs	126% more
45° Pullout	167kgs	447kgs	168% more
Volume Displaced	0.21x10 ⁶ mm ²	0.14x10 ⁶ mm ²	33% less



The above tests were carried out in January 2014 in a sandy loam that was saturated due to the high level of rain. For the vertical pull-out two 25mm diameter marquee stake were used to hold down a typical marquee base plate. These were driven vertically into the ground. They were subjected to a progressive vertical pull and the reading taken using a 1000kg load cell. The test was repeated using two Spirafix™ ground anchors. Single anchors and stakes were used for the 45° pull test. These were driven into the ground vertically.

