WEEDENDER® DITCH BURN TEST

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U-TECK™

Your Safety... Our Solutions.

ISO 9001:2015 Registered

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SCOPE

Purpose

- To determine the severity of damage (if any) the WeedEnder® product would sustain during a staged ditch burn test.

Desired result

- WeedEnder® is fire-resistant; therefore, once the fuel source has been consumed, the polyester content of WeedEnder® should self-extinguish.

TEST PARAMETERS

- Product to be tested was installed per U-TECK's installation instructions.
- Two sections of WeedEnder® material were installed. One diagonally opposed to the wind source and one laterally opposed to the wind source.
- Outdoor conditions were clear and dry and surrounding areas of test location were sprayed down for safety.
- Blowing wind was simulated using an industrial fan.
- A height of 8"-10" of dry vegetation was piled and placed around the edges of WeedEnder®. (Hay straw was used for this test.)
- An accelerant was poured along the front edge of the test area.
- The straw was ignited, and documented with still photographs.

Preparation Photos

Fire Ignited


Mouse click to continue slideshow

After The Burn

TEST RESULTS

- Once test was completed, an inspection of the product was documented with photographs.
- Once fuel was consumed there was a one-inch-wide continuation of flame visible, which self-extinguished within a few seconds.
- Edge char was observed, which was viewed to be normal.
- Slight melting occurred around the edge, which was also viewed to be normal.

Conclusions

WeedEnder® has proven to be effectively fire-resistant by self-extinguishing after the fuel source has burned out, leaving minimal damage to the edges and preventing further flame spread.