

**FIELD COMPOSTABLE AUTO
STAPLE STRAP. MILD
STRENGTH FOR DEVELOPING
PLANT STEMS VEGTABLE &
BERRIES**

SS11E



**TECHNICAL DATASHEET
Product Description**

Designed to save time! Guide the way your plant grows with the “BoaFang Gun Attachment” and our unique construction of the paper tie. Rolls have a diameter of 19cm and are 70 meters long, packaged in sets of 30 rolls in a field compostable carton. With our material and this handheld machine can be used to tether up plant stems to plant supports like trellises or wires. The material used is a specialized compostable tie that feeds through the unit, wraps around the stem of the plant and then is stapled together around the plant stem for support.

Key Features

- Attaches to multiple staple guns like the Max RT-R45L.
- Tie composts to soil in approximately 1 year most conditions.
- Can be applied loose or tight.
- Made from renewable and renewed resources.
- Engineered environmentally friendly replacement to toxic vinyl tape, psa tapes, and hazardous wire ties.
- Works in most High Wind and Wet Environments.
- Eliminates end of season cutting and collection of tie trash
- Roll case is 6 kg for 30 rolls, this is 0.18 kg per roll.
- Improve plant performance with a natural material tie
- Maintains integrity in sunny and wet applications.
- Entirely N.A.. materials, innovation and manufactured



Applications

- Agricultural Fields
- Greenhouses
- Commercial Nurseries
- Consumer Gardening

Materials

- Starch and wood based paper with pressure sensitive adhesive
- 2mil PLA CORN BASED COMPOSTABLE FILM



Saving the world from contaminants, a tie at a time!

Technical Datasheet

Loading Roll to Attachment

Remove one roll from bundle with caution, pull approximately 12" of material and feed through the guide from the case. Once the material is out of the guide, place the roll inside the roll case and close. The machine works with two simple steps.



Open attachment case



Get roll ready to insert into case, label facing up.



Place the roll inside the roll case, tear tab and feed through the guide from the case

Close case and you are ready to go!



Dimensions & Packaging

Diameter	19cm
Length	70 meters Each
Quantity	30 rolls per case
Packaging	30 pack case 2,100 MT/CS



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Technical Datasheet

Tensile strength test performed with dry straps resulting in the results where the staple was the failure. The staple unbent out of the strap.

Wet tensile testing was performed with the straps after being submerged under water for 1 hour.

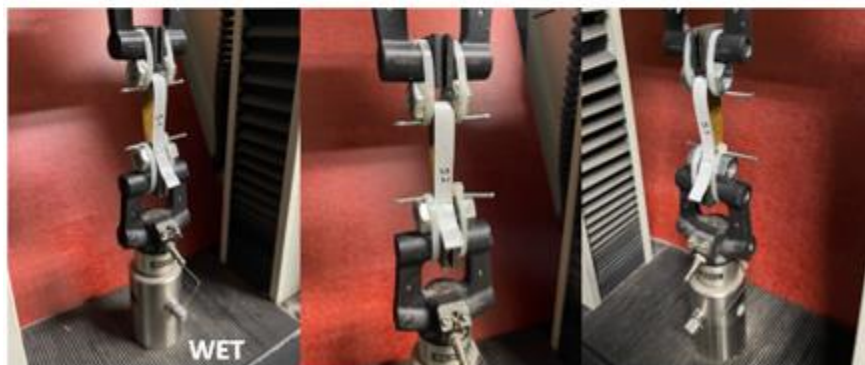
DRY (HZ / STAPLE)		
Sample	Load (lbs)	σ psi
1	8.3	2.931
2	6.94	2.451
3	7.2	2.542
4	5.9	2.083
5	9.36	3.305
6	9.99	3.528
7	10.54	3.722
8	9.96	3.517
9	9.99	3.528
10	7.24	2.556
11	11.21	3.958
12	7.62	2.691
13	7.13	2.518
14	7.43	2.624
15	16.63	5.872

DRY (HZ / STAPLE)	
Max Load	11.21 lbs
Average Load	9.03 lbs
Min Load	5.90 lbs
Average Stress	8.49 psi
Standar Dev.	1.64 lbs

WET (HZ / STAPE)		
Sample	Load (lbs)	σ psi
1	4.57	1.614
2	6.29	2.221
3	5.2	1.836
4	3.29	1.162
5	2.82	0.996
6	4.41	1.557
7	5.61	1.981
8	5.36	1.893
9	4.9	1.730
10	7.87	2.779
11	7.68	2.712
12	5.79	2.044
13	6.29	2.221
14	6.3	2.225
15	5.98	2.112

WET (HZ / STAPE)	
Max Load	7.87 lbs
Average Load	5.49 lbs
Min Load	2.82 lbs
Average Stress	5.46 psi
Standar Dev.	1.44 lbs

PARTS WET FOR AN HOUR FROM 1:00 TO 2:30



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