
Save labor with our Valent line

The highest quality material
to support your vegetable
food production

Let's
improve
together.



Save labor costs and support your crops with Valent

Hooks, twine and clips are essential for your cultivation because they support the vulnerable plants at the beginning of the crop rotation and bring plants to the optimum working height. When the life of your crop is literally hanging by a thread, quality should not be an issue.

The highest quality material to support your vegetable food production, that is what the Valent line stands for. With our Valent Hooks, Valent Clips, Valent Twine and Valent Pepper Twine you can give optimal support to your crop and save labor costs.

You can count on our products because we have local stocks and the products are therefore available quickly. The Valent line was developed in cooperation with growers, for growers.

In this whitepaper we will tell you all about the Valent line and how the products can optimize your cultivation. Do you have any questions about the whitepaper?

Then please contact our Crop Rotation product specialist

[Martin Meuldijk.](#)



Support your crop with Valent Clips

To ensure that young plants grow in height, they are tied up using twine. Two methods are used here: twisting or clipping. In this way, a plant does not collapse under the weight of the crop, such as a bell pepper or tomato, hanging from the plant. This prevents the plant from buckling or tearing and the crop from losing quality. Twisting and clipping are two different techniques with the same purpose. Which one you use depends on several factors.

Twisting (or 'turning in') causes the growth of the plant to slow down, because you 'pinch' the stem and thus reduce the supply of nutrients. Twisting is a special technique and you will need to hire specialists to do this for you. The immediate pitfall is that, if you apply it in the wrong way, it is harmful to the plant. Turning is a lot slower than clipping.

With clipping you place a clip on the plant and the twine, without having to turn the plant. The big advantage here is that, unlike with twisting, you do not pinch the stem of the plant. So there is no growth retardation. In addition, it is much faster than spinning and you are less likely to damage or break down the plant.

Young plants are very vulnerable at the start of a new crop and can therefore break or damage. With Valent Clips you can support the stem of your plant. As the plants grow bigger they are trellised with twine and sometimes high wire hooks, depending on the crop. With clips you can tie your plant to the twine for more support.



Read more
plant support
clips.



Advantages for your crops:

- The Valent Clip is an optimized clip, with a smart solid design, with optimal rounded edges.
- Due to the smart design, less waste is created and less labor costs.
- The clip has optimal rounded edges which means less damage to the fruit and the crop.
- Through the cleverly created air holes around the clip, there is less chance of Botrytis.
- Because the clip is provided with a reclosable opening, the clip can easily be moved if desired. A new clip is not necessary, resulting in an environmentally friendly approach.
- With its large and strong twine grippers equipped with anti-slip points, the Valent Clip can handle high plant loads with less chance of the twine sliding.
- From a sustainability point of view, the Valent Clips are made from 100% high-quality recycled material.

Specifications:

| | 15 mm | 23 mm | 26 mm |
|---|--------------------|------------|------------|
|  | 20.000 st | 12.500 st | 7.000 st |
|  | 600.000 st | 375.000 st | 210.000 st |
|  | 120 x 100 x 243 mm | | |



**Read more
about Valent
clips.**



Read more
about Valent
Twine.

Eliminate the risk of breakage with Valent Twine

The choice for a type of twine for high wire hooks is determined by the crop, the maximum plant load and the amount of UV light in the greenhouse. For example, a thicker twine is needed because the fruits are heavy, while for another crop a thinner twine is sufficient. The elasticity of the twine is also more important for some crops than for others.

Valent Twine is made of synthetic fiber and will not absorb any moisture. Hereby the twine will not gain extra weight which minimalizes the risk of breakage for your crops.

The advantages of Valent Twine for you

- Valent Twine is made of polypropylene. Valent Twine is therefore perfect for growing tomatoes, cucumbers and eggplant.
- Valent Twine is strong and does not absorb moisture, which eliminates the risk of twine breakage.
- The twine is soft for both your plants and employees.
- Because the twine is UV treated, it can withstand UV radiation for 12 months.

| | 1/1000 | 1/1200 | 1/1500 |
|---------------|--------|--------|--------|
| Cherry tomato | | | ✓ |
| Truss tomato | ✓ | ✓ | |
| Beef tomato | ✓ | | |
| Cucumber | | ✓ | |
| Peppers | | ✓ | ✓ |
| Aubergine | | ✓ | |

No stretch with Valent Pepper Twine

Pepper twine needs to be able to carry an average pepper plant of five kilograms. If the twine stretches, the fruit can damage with resulting consequences. Valent Pepper Twine is developed together with growers and the producer to create a stronger twine. Poorer quality twine can stretch, which will cause that the plant blocks the path where people work. This increases the chance of damage during work. The use of Valent Pepper Twine in warm temperatures results in plants hanging perfectly during the whole cultivation process.

Advantages of special twine for you pepper crops:

- Improved of 50% in elongation.
- Standard UV treated for 12 months.
- Environmentally friendly due to the polypropylene.
- Strong, flexible, supple and soft support for you crop.

It is important that your twine is easily processed in a twine machine. The twine is made of the highest quality virgin polypropylene. Due to the improved properties in the formulation of the twine, it is easier to knot to the crop wire and at the bottom of the plant.



“Valent Pepper Twine is twine of top quality”
Rob Moors, Pepper Grower

Curious about the advantages and experiences of other growers?

[Read the customer story of pepper grower Rob Moors of Kwekerij Moors, The Netherlands.](#)



Read more
about pepper
twine.

Your crops on the optimum working height with Valent Hooks

High wire hooks are an important part of the crop rotation. In many vegetable crops, the hooks are used to bring the crop to the optimum working height and to bind young plants more quickly. The high wire hooks can be supplied in different sizes, with different types of twine.

You can choose from the Valent V-hook, Valent O-hook and Valent HD-hook. These hooks are available in two sizes: 180 mm and 220 mm.

Valent O-hook

- Self-determined free fall
- Free fall is accurate to five cm
- Free fall is without plastic band
- Free fall is taken out with one hand movement
- Available in combinations of four
- 3,3 mm available at additional cost



Valent V-hook

- Free fall is accurate to five cm
- Free fall is with plastic band
- The plastic band is loosened when hanging the hook
- Available in combinations of two
- 3,3 mm available
- Available with biological twine



Valent HD-hook

- Suitable for self-wrapping on a wrapping machine
- Without free fall
- Used at a later stage of cultivation
- Accurate to five cm
- Available in combinations of two
- 3,3 mm available
- Available with biological twine



Let's improve together.



Do you have any questions after reading this whitepaper?

Then please contact product specialists



Martin Meuldijk

Martin Meuldijk has over 20 years of experience in horticulture, both national and international. Since 2016 he has been working at Royal Brinkman as a product specialist for the themes of crop rotation and service articles. He likes to help growers get the best out of their cultivation. His approach? Doing what you say and saying what you do: that's my motto. That's why I think it's very important to always give good and honest advice.