



Wuchstyp von Tomaten – wirklich alles klar?

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Wuchstypen bei Tomaten



Schematische Darstellung der Unterscheidung zwischen (a) unbegrenztem (indeterminiert) und (b) begrenztem (determiniert) Wachstum
(Grafiken: Lehman (1955): Das morphologische System der Kulturtomaten)

Wuchstyp - indeterminiert



Blütenstand

3. Blatt

2. Blatt

1. Blatt

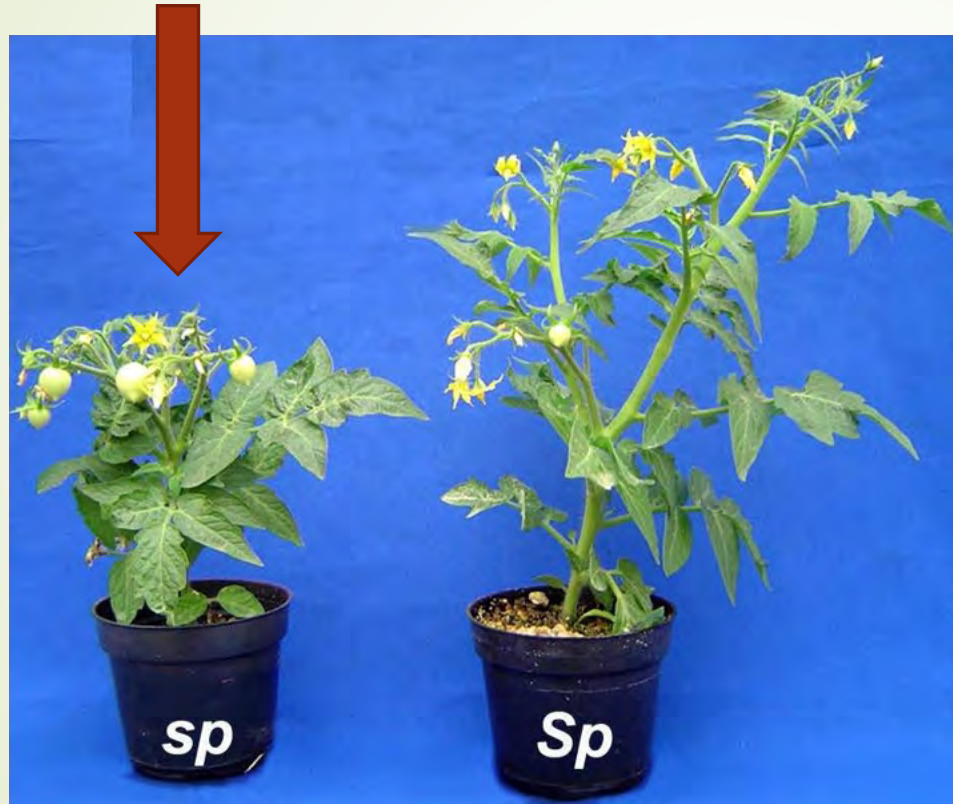
Self pruner - Wuchstyp

- 1914 von Bert Croft als Zufallssämling gefunden.
- Determinierter oder "self pruner" Wuchs.
- 1923 durch C. D. Cooper (Farmer in der Nähe von Fort Lauderdale, Florida) als „**Cooper Special**“ vermarktet.



Foto: victoryseeds.com

Wuchstyp determiniert



Links: Mutanten-Allel (*sp*, determiniert)

Rechts: MT-*Sp* (indeterminiertes Wachstum)

Foto: Aranda-Peres (2010): Micro-Tom Mutants

Burpees` s Self-Pruning

1117 **Burpee's Self-Pruning Tomato** BURPEE NOVELTY FOR 1924

BURPEE'S NEW SELF-PRUNING TOMATO is entirely distinct from all other tomatoes we have ever seen. The name Self-Pruning explains one of the outstanding characteristics of this most valuable novelty. The habit of the plant is distinct from the so-called dwarf or tree varieties and also from the ordinary long-jointed growth of the majority of tomatoes. While the plant is still comparatively small it sends out side-branches or laterals near the base without being pinched. This is a main characteristic of our new tomato and accounts largely for the immense yield the plants will give. At every joint of these lateral branches there are borne fruits which are perfectly smooth and very solid. The color of the skin is a bright pinkish red. The fruits are globe-shaped and most attractive in every respect, with an even color running

from the stem to the blossom end. The interior of the fruit is a deep carmine-red and the flesh is solid, juicy, and altogether free from fiber or a hard core.

In season it is a second-early variety and we believe it is destined to become the most popular of all globe-shaped pink-fruited tomatoes. Extensive trials on our own farms in Pennsylvania and New Jersey for a number of years have proven that there is a distinct place for BURPEE'S SELF-PRUNING

TOMATO. We also sent out trial packets to the agricultural experiment stations and received

some very interesting reports, particularly from some of the southern states. The variety was found to be as disease-resistant as some special strains which were bred for this purpose.

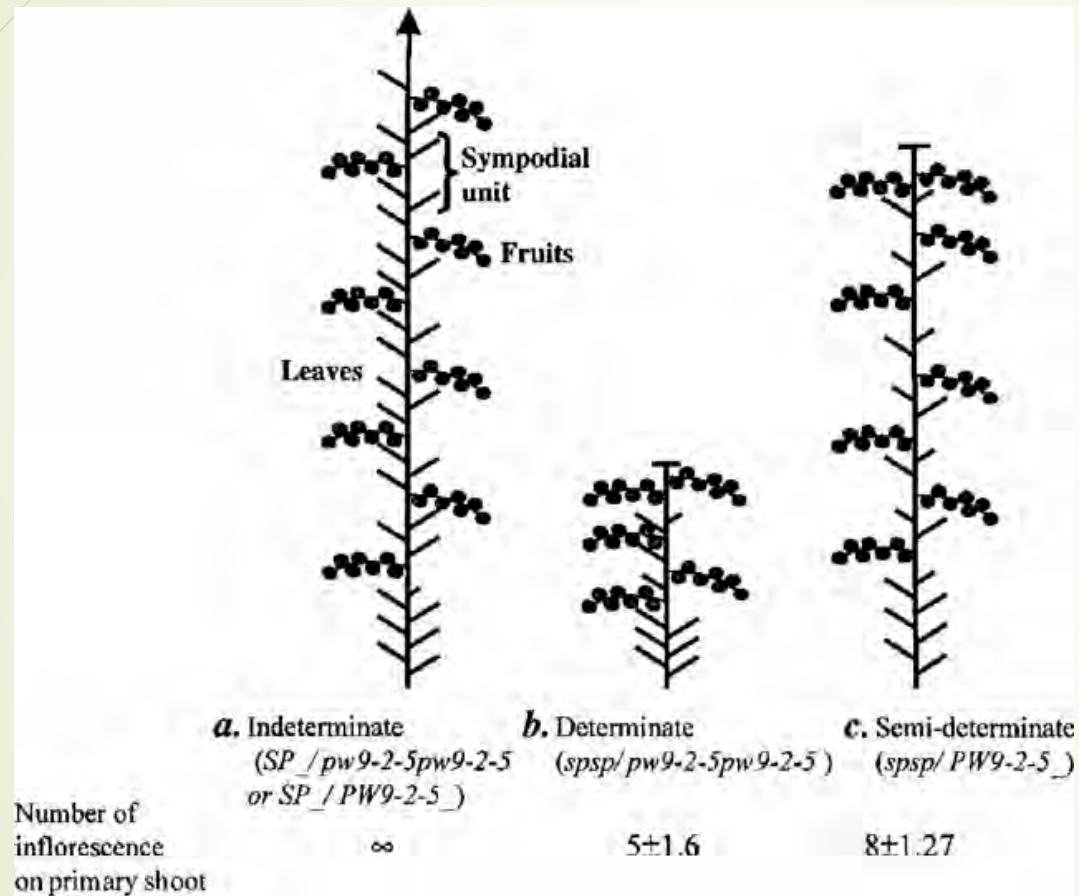
Pkt. 25¢;
1/2 oz. \$2.00;
oz. \$3.50;
4 ozs. \$12.50;
1/2 lb. \$19.25;
lb. \$35.00.



Tomatoes are a Great Burpee Specialty

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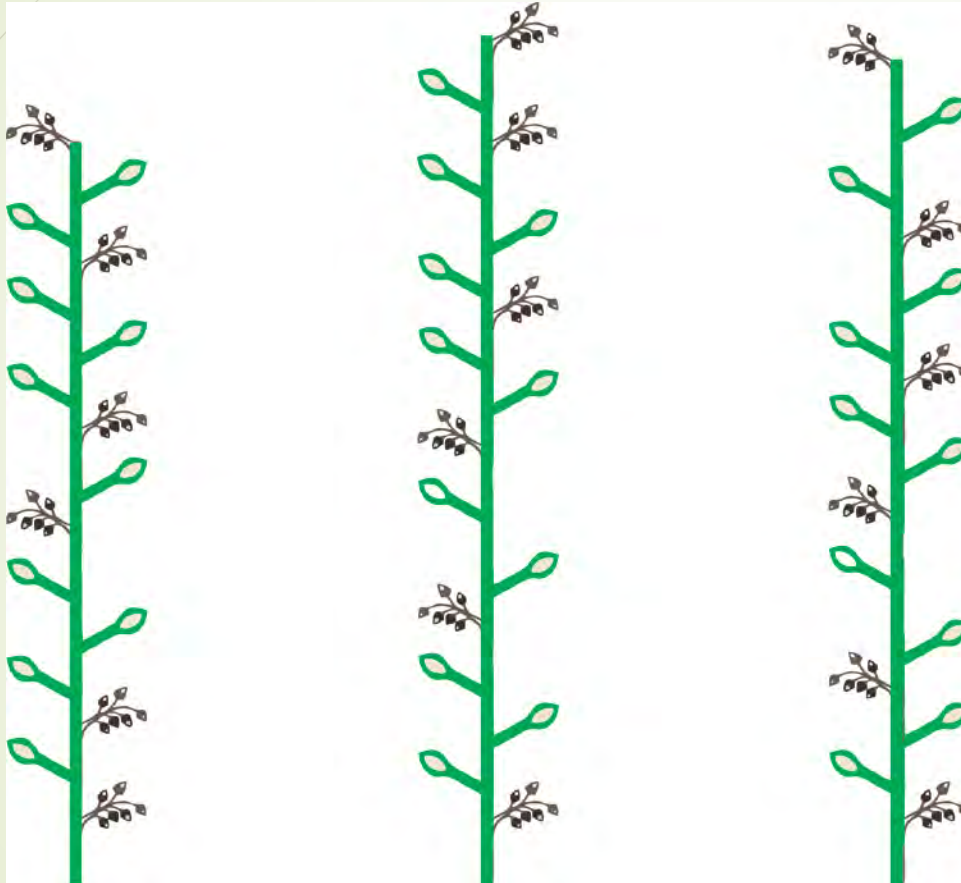
Wuchstypen bei Tomaten



Schematische Idealdarstellung

Friedmann et al. (2002): Two tightly linked QTLs modify tomato sugar content via different physiological pathways

Wuchstyp semi-determiniert



Schematische Realdarstellung

Pflanzenhöhe bis 2 m

Pflanzen müssen gestützt werden

Wuchstyp semi-determiniert



Blütenstand

1 Blatt

Blütenstand

3. Blatt

2. Blatt

1. Blatt