

Information on Precision Weeders

Richard Smith, University of California
Cooperative Extension, Monterey County
rifsmith@ucdavis.edu; 831-759-7357.

Finger Weeders – Capable of removing weeds in the seedline. Best used on large seeded crops or transplants. Weeds need to be small (< 2nd true leaf) and the crop firmly rooted.

Buddingh Weeder Co.
<http://www.buddinghweeder.com/>
616-698-8613
Invented the finger weeder and still produce them in the US.

Kress & Company – Germany
Christian Kirchhof
<http://www.kress-landtechnik.de/>
They modified the original Buddingh design and modified it using plastics.

Schmotzer - Germany
<http://www.schmotzer.de/>
Copied the Kress design.

Steketee – Netherlands
www.steketee.com
Copied the Kress design.

Torsion Weeders - Capable of removing weeds in the seedline. Best used on large seeded crops or transplants. Weeds need to be small (< 2nd true leaf) and the crop firmly rooted.

Bezzarides Bros. Inc.
<http://www.bezzarides.com/>
bezzbros@sbcglobal.net
David Vradenberg
They invented the torsion weeder, but do not produce them any longer. However, they have other versions of torsion weeders that are more heavy duty.

Frato Machine Import
<http://www.frato.nl/>
They copied the original vegetable torsion weeders designed by Bezzarides. They are sold in the European market.

In-seedline Mechanical Weeders – Capable of removing weeds in the seedline. Use cameras to detect the crop. Computers process the camera images and activate the weed control system.

Tillet Cultivator[®] Uses spinning discs to remove weeds (also capable of thinning).
Garford Corp
<http://garford.com/>

Frank Poulsen Aps. Engineering
<http://www.fp-engin.dk/>
Have a precision flamer – unsure if it is commercially available.
<http://www.visionweeding.com/Weeding/X-2000%20Plasma.htm> – check this link for a video of the precision flame weeder

Sarl Radis
<http://www.radismecanisation.com/default.htm>
Have a mechanical weeder – unsure if it is commercially available.