



American Society of
Agricultural and Biological Engineers

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News Release

FOR IMMEDIATE RELEASE

April 30, 2018

Standard Revision Approved on Agricultural Tillage Shank Height and Point Trip Force

ST JOSEPH, MICHIGAN— The American Society of Agricultural and Biological Engineers (ASABE) has completed a revision to its standard on measuring agricultural point trip force and tillage shank height. The recently revised document, ASABE S591.1, Procedure for Measuring Point Trip Force and Maximum Trip Height of Tillage Shank Assemblies, was originally proposed by the Farm Equipment Manufacturers Association (FEMA) Tillage and Ground Engaging Equipment Product Council. The developing committee consisted of members of both ASABE and the FEMA Council.

The Standard establishes a uniform method of measuring the static point trip force and trip height of agricultural tillage shank assemblies, including field cultivator or conditioner shanks, chisel plow shanks, and subsoiler (or ripper) shanks. It is limited to shank assemblies utilizing a spring cushion, or “S” tine/coil shank design, but not those with rigid, non-flexing shank assemblies. The revision includes updates to the normative references and minor editorial changes.

ASABE members with standards access and those with site-license privileges can access the full-text via electronic download on the ASABE online Technical Library at elibrary.asabe.org/. Others can obtain a copy for a fee directly from the library or by contacting ASABE headquarters at OrderStandard@asabe.org.

ASABE is recognized worldwide as a standards developing organization for food, agricultural, and biological systems, with more than 260 standards currently in publication. Conformance to ASABE standards is voluntary, except where required by state, provincial, or other governmental requirements, and the documents are developed by consensus in accordance with procedures approved by the American National Standards Institute. For information on this or any other ASABE standard, contact Scott Cedarquist at 269-932-7031, cedarq@asabe.org. A current listing of all ASABE standards projects can be found on the ASABE web site at www.asabe.org/projects.

ASABE is an international scientific and educational organization dedicated to the advancement of engineering applicable to agricultural, food, and biological systems. Further information on the Society can be obtained by contacting ASABE at (269) 429-0300, emailing hq@asabe.org or visiting www.asabe.org/.