

TERMINOLOGY FOR AGRICULTURAL EQUIPMENT

1. Scope

- 1.1 This SAE Standard specifies terminology for agricultural equipment¹ designed primarily for use in agricultural operations for the production of food and fiber.
- 1.2 This terminology is intended to establish uniformity for terms used for agricultural equipment in standards, technical papers, specifications, and general usage.

2. References

- 2.1 **Applicable Publications**—The following publications form a part of this specification to the extent specified herein. The latest issue of SAE publications shall apply.

- 2.1.1 SAE PUBLICATIONS—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J715—Three-Point Free-Link Hitch Attachment of Implements to Agricultural Wheeled Tractors

SAE J1170—Front and Rear Power Take-Off for Agricultural Tractors

3. Definitions

- 3.1 **Agricultural Field Equipment**—Means agricultural tractors, self-propelled machines, implements, and combinations thereof designed primarily for use in agricultural field operations.

- 3.1.1 **AGRICULTURAL TRACTOR**—A traction machine designed and advertised primarily to supply power to agricultural implements and farmstead equipment. An agricultural tractor propels itself and provides a force in the direction of travel to enable attached soil engaging and other agricultural implements to perform their intended function.

- 3.1.1.1 **Compact Utility Tractor**—A small agricultural tractor equipped with a 540 rpm rear PTO (SAE J1170) and a three-point hitch designed for Category I (SAE J715) implements only. These tractors generally weigh less than 1800 kg, have less than 30 PTO kW, and are primarily designed and advertised for use with mowers and light-duty material handling equipment.

1. Other terms commonly used are: farm machinery, farm implements, implements of husbandry, agricultural machinery.

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- 3.1.2 AGRICULTURAL IMPLEMENT—An implement that is designed to perform agricultural operations.
- 3.1.2.1 *Towed Implements*—Implements that are pulled by a tractor and are usually equipped with wheels for transport.
- 3.1.2.2 *Mounted Implements*—Implements which are mounted directly to the tractor and are carried by the tractor during transport.
- 3.1.2.3 *Semi-Mounted Implements*—Implements which are partially mounted to the tractor and partially carried on their wheels during operation and/or transport.
- 3.1.3 SELF-PROPELLED MACHINES—Implements designed with integral power units to provide both mobility and power for performing agricultural operations.
- 3.2 **Farmstead Equipment**—Equipment, other than agricultural field equipment, used in agricultural operations for the production of food and fiber (examples include livestock feeding systems, livestock watering and waste handling systems, crop driers, milling systems, material handling equipment, etc.).

PREPARED BY THE SAE AGRICULTURAL TRACTOR TECHNICAL COMMITTEE