

Handbook of Agricultural Machinery Terminology

FOREWORD

With the increasing emphasis on farm mechanization for boosting agricultural production and for post-harvest processing, a large number of agricultural machinery for various operations are being designed, developed, manufactured and used in the country. For providing authentic definition of the terms used in respect of various agricultural machinery, a number of Indian Standards have been brought out as well as some definitions covered in various product specifications. However, the need for consolidated publication covering all the terms has always been acutely felt.

It is hoped that the Handbook will help in the adoption of uniform definitions thereby facilitating interpretation and communication amongst various interests. The Handbook will also satisfy a longfelt need of agricultural engineering profession.

The terms included in the Handbook are grouped on the basis of sequence of operations performed by various equipment and are given in the following order :

- a) General terms,
- b) Tractors and power tillers,
- c) Tillage,
- d) Tillage equipment,
- e) Sowing and fertilizers application equipment,
- f) Intercultivation equipment,
- g) Irrigation equipment and systems,
- h) Horticultural equipment,
- j) Forestry equipment,
- k) Plant protection equipment,
- m) Harvesting and threshing equipment,
- n) Farm transport equipment, and
- P) Processing equipment.

For ease of reference, an alphabetical index of the terms has been provided at the end.

In case of dispute or ambiguity, the definitions, as appearing in the relevant standards (see Appendix A), shall be applicable.

APPENDIX A

(Clause 0.5)

LIST OF RELEVANT INDIAN STANDARDS

IS : 4596-1968 Glossary of terms relating to oil expellers

IS : 8122 (Part 1)-1976 Test code for combine-harvester-thresher : Part 1 Terminology

IS : 8420-1977 Glossary of terms relating to grain dryers

IS : 8480-1977 Glossary of terms relating to crop protection equipment

IS : 9818 (Part 1)-1981 Glossary of terms relating to tillage and intercultivation equipment : Part 1 General terms

IS : 9818 (Part 2)-1981 Glossary of terms relating to tillage and intercultivation equipment : Part 2 Terms relating to equipment

IS : 9821-1981 Glossary of terms relating to farm transport equipment,

IS : 9826-1981 Glossary of terms relating to expellers harvesting and threshing equipment

IS : 9855-1981 Glossary of terms relating to sowing, planting, fertilizer and manure application equipment

IS : 9939-1981 Glossary of terms relating to agricultural tractors and power tillers

IS : 9981-1981 Glossary of terms relating to agricultural produce processing equipment

IS : 11077-1984 Glossary of terms on soil and water

IS : 11272-1985 Glossary of terms relating to horticultural equipment

IS : 11580-1986 Glossary of terms relating to forestry equipment