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Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Safety signs and hazard pictorials — General principles

*Tracteurs et matériels agricoles et forestiers, matériels à moteur pour
jardins et pelouses— Signaux de sécurité et de danger — Principes
généraux*



Reference number
ISO 11684:1995(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 11684 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 14, *Operator controls, operator symbols and other displays, operator manuals*.

Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Safety signs and hazard pictorials — General principles

1 Scope

This International Standard establishes general principles for the design and application of safety signs and hazard pictorials permanently affixed to tractors, machinery for agriculture and forestry, and powered lawn and garden equipment as defined in ISO 3339-0 and ISO 5395. This International Standard outlines safety sign objectives, describes the basic safety sign formats and colours, and provides guidance on developing the various panels that together constitute a safety sign.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 3339-0:1986, *Tractors and machinery for agriculture and forestry — Part 0: Classification system and classification*

ISO 5395:1990, *Power lawn-mowers, lawn tractors, lawn and garden tractors, professional mowers, and lawn and garden tractors with mowing attachments — Definitions, safety requirements, and test procedures*

3 Risk reduction through design

3.1 Safety should be integrated into machine design, manufacture, operation, instruction, and supervision. Risks should be reduced or eliminated so far as possible without unreasonable impairment of product function by

- eliminating or reducing hazards by suitable choice of design features and construction materials;
- limiting exposure of persons to hazards by reducing the need for operator intervention in hazardous areas;
- providing guards or other safety devices to protect persons from the hazards which cannot reasonably be eliminated or sufficiently limited by design.

3.2 Even when appropriate design features and safety devices are incorporated into machinery, some residual risks may remain. Safety signs warn operators or other exposed persons about such residual risks.