Australian Standard™

Potting mixes



This Australian Standard was prepared by Committee CS-037, Garden Soils and Potting Mixes. It was approved on behalf of the Council of Standards Australia on 4 August 2003 and published on 5 September 2003.

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Australian Institute of Horticulture
Australian Society of Soil Science Incorporated
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NSW Agriculture
NSW Department of Public Works and Services
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PREFACE

This Standard was prepared by the Standards Australia Committee CS-037, Garden Soils and Potting Mixes to supersede AS 3743—1996, *Potting mixes*. The Standard was originally requested by the Australian Institute of Horticulture and the Division of Soils, CSIRO.

This edition incorporates AS 3743—1996 Amendment 1—1998. Other changes comprise refinements which take into account results of further experience in the determination of air filled porosity (Appendices B and H) nutrients (Appendices D and G) and the toxicity test (Appendix F). Marking has changed to include bold line bordering around the health warnings for prominence on the bag.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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FOREWORD

Long-term storage of potting mix, especially in warm, moist environments, can lead to depletion of the available nitrogen content of the mix. The concentration of nitrogen that is available to plants at potting will be decreased from what it was at manufacture. Marking requirements and the note in Clause 2.5.1(c) relate to this problem. A 'best-before' date was discussed by the Committee, but was not considered to be the total answer, as retailers would not necessarily see any advantage in rotating mixes in the store, nor consumers any problem in using a mix after the date. Consumers do not generally understand this situation and would need to be educated to understand the fact that fertilizer may need to be added even to a premium mix that has been stored for some time.

In view of this, and in order to increase the likelihood that plants will still have sufficient nutrients to produce plant growth for at least the short term after sale of the potting mix, it is suggested that potting mix ingredients should have an NDI (see Appendix E) of at least 0.6 at the time of their incorporation into a standard potting mix.