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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 12943-2007

Replacing GB 12943-1991

**Plant quarantine rules for virus-free mother tree and seedling of
apple**

苹果无病毒母本树和苗木检疫规程

(English Translation)

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Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and Definitions

4 Virus quarantine pests

4.1 Wrinkled apple fruit disease applegreencrinkledisease

4.2 Apple scar skin viroid applescarskinvirus

4.3 Apple mosaic virus

4.4 Apple chlorotic leaf spot virus

4.5 ASPV applestemplittingvirus

4.6 Apple stem grooving virus

5 Apple tree without parental virus quarantine

5.4 Apple tree without parental virus virus detection

Foreword

From the date of implementation of this standard instead of GB 12943-1991 "mother tree and apple virus-free seedling quarantine rules." this standard compared with GB 12943-1991 main changes are as follows.

--- Modify the standard English name, standard structure, some of the terms;

--- Female virus-free apple garden, virus-free seedling breeding nursery, inspection and female trees were supplementary provisions;

--- Apple's virus-free seedlings increased detection ELISA and woody indicator plant greenhouse assays.

The Standard Appendix A, Appendix B, Appendix C, Appendix D, Appendix E, Appendix G, Appendix H, Appendix I, Appendix J and Appendix K normative Appendix Appendix F is informative appendix.

The standard proposed by the People's Republic of China Ministry of Agriculture.

This standard by the National Standardization Technical Committee on plant quarantine.

This standard was drafted. China Fruit Institute (Xingcheng) Academy of Agricultural Sciences, the National Agricultural Technology Extension Service Center, the Liaoning Provincial Plant Protection Station.

1 Scope

This standard specifies the quarantine rules for mother tree and apple virus-free seedlings.

This standard applies to apples cultivate virus-free rootstock and scion mother tree breeding and virus-free apple seedlings.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 8370-1987 apple seedlings quarantine rules

3 Terms and Definitions

The following terms and definitions apply to this standard.

Without quarantine specified in this standard for providing nutritional apple varieties or the mother plant STOCKS reproductive material.

Apple seedlings with no specified in this standard quarantine objects.

5 Apple tree without parental virus quarantine

5.1

preparing to set up parental virus-free apple garden units or individuals, local plant quarantine agencies shall declare (declaration see Appendix A), obtained Orchard before approval.

5.2

Apple Park, virus-free and ordinary female pome fruits, stone fruits from the orchards and nurseries should be greater than 100m.

5.3

Apple without parental virus park should be built within five years have not been planted lots of fruit trees, spacing of not less than 4m x 5m, pruning tools designed Special tube.

5.4 Apple tree without parental virus virus detection

5.4.1

All female garden mother tree should be tested for the virus.

5.4.2

inspection mother tree species must be pure, robust growth, quarantine and control objects specified in GB 8370-1987 without.

5.4.3

Virus Detection mother tree designated by the provincial phytosanitary agency detection units.

5.4.4

sampling time, location and quantity determined in accordance with the specific requirements of different detection methods. There are female trees numbered label on each sample bondage