Viruses of potatoes and seed-potato production

J.A. de Bokx and J.P.H. van der Want (Eds)

1987,259 pages, 16 pages with watercolour illustrations, 2nd ed. revised, hardbound, index, glossary, ISBN 90-220-0859-2

Price f125.00/US\$ 62.50

The first edition of this book received wide acclaim. So many developments in knowledge and experience have occurred and J.A. de Bokx) that it was felt necessary to update the book. For example, **Part 3. Viruses and potatoes** developments in knowledge and experience have occurred great progress has been made in describing the properties of viruses and viroids. This edition also incorporates new views on the role aphids play in disseminating viruses, plus recent ideas on breeding potatocultivars for resistance. Another new aspect dealt with relates to seed-potato production in regions other than the Netherlands, including several countries in which this practice was introduced relatively recently.

This book is not a complete manual, but is intended to help all those striving to grow healthy potatoes.

Contents

Abbreviations and letter-size symbols

1. Plant virology and potato viruses (J.P.H. van der Want) Part 1. Characterization and identification of potato viruses and viroids.

2. Purification (H. Huttinga and D.Z. Maat)

- Physical and chemical properties (H. Huttinga and D.Z. з. Maat)
- 4 Serology (DZ Maat and H. Huttinga)
- 5 Biological properties (J.A. de Bokx)

Part 2. Viruses, virolds, rnycopiasrnas and diseases wtih a virus-like aetiology

- 6. Survey of properties and symptoms (A.B.R. Beemster
- 7. Virus translocation and mature-plan resistance in potato plants (A.B.R. Beemster)
- 8. Spread of viruses in potato crops (D. Peters)
- Yield reduction in relation to virus infection (D.E. van 9. der Zaag) 10. Inerapy of individual plants (F. Quak) 11. Breedingtor resistance (A.G.B. Beekman)
- 12. Control of virus spread (D. Peters) Part 4. Production and seeu potatoes

13. Growing seed potatoes (*D.E.* van *der Zaag*) 14. Inspection and grading (*P. Oosterveld*) Appendix 1. A procedure for preparing antibody-sensitized

latex

Appendix 2. Preparing γ-globuline for ELISA

```
Appendix 3. Key for identifying aphids colonizing potatoes
Glossary
```

References

Subject index

P.O. Box 4