

Reviews and Abstracts

The Golden Delicious Apple in Pennsylvania. 1970. By C. S. Bittner, G. M. Greene, C. W. Hitz, B. W. Kelly, G. D. Kuhn, F. J. McArdle, D. H. Petersen, C. W. Porter, C. M. Ritter, R. C. Tetrault, L. D. Tukey. Circ. 547, Penna. State University.

Status of the Golden Delicious apple in Pennsylvania is described. Costs of production and management practices for this variety in Pennsylvania are discussed. Diseases to which Golden Delicious is susceptible are mentioned. The special handling practices required for this variety after harvest are also described. A very practical color chart (in detached form) is provided for use in determining the proper time to pick Golden.

With regard to clonal selections, it is pointed out that the best solution to the problem of russetting with Golden Delicious is to plant on relatively high ground and provide "proper nutrition," rather than to rely on planting strains of Golden Delicious which are reported to be resistant to russetting.

—G. M. Kessler

Plant Agriculture. 1970. Edited by J. Janick, R. W. Schery, F. W. Woods and V. W. Ruttan. W. H. Freeman & Co., 246 pages, 226 illus. \$10 (clothbound), \$4.95 (paperbound).

Essentially, this book is a collection of articles originally published in *Scientific American* between 1950 and 1970.

It is divided into five parts, namely: Origins of Agriculture, Plant Growth and Development, Plant Environment, Production Technology, and Food Needs and Potentials. The authors of

the various articles are all authorities in their respective fields. Examples of titles and authors are as follows: *The Agricultural Revolution*, by R. J. Braidwood, anthropologist, Univ. of Chicago; *The Control of Plant Growth*, by J. VanOverbeek, plant physiologist, Texas A. & M. Univ.; *F. W. Went*, plant physiologist, Univ. of Nevada; *Mechanical Harvesting*, by C. F. Kelly, Agr. Engineer, Univ. of Cal.; *Food*, by N. S. Schrumshaw, nutritionist, M. I. T.

With Agriculture so often under attack in this country and elsewhere, these days, this book serves a good purpose in calling attention to some of the significant scientific and technological achievements of agriculture to-date, and some of its important problems—physiological, technological, and social, which will require the combined efforts of academicians, government and industry, if the peoples of the world are to survive and prosper.

—G. M. Kessler

Horticultural Research Institute of Ontario.—Report for 1968. Ont. Dept. of Agr. & Foods, Parliament Bldg., Toronto, Canada.

Our readers will find much of interest in this report. Hutchinson and Bradt report on their study of three peach varieties on clonal plum and seedling peach rootstocks. They note incompatibility of the varieties on the Rutgers Red Leaf seedlings.

Hutchinson's 13-year study of apple rootstocks is of interest, as is his report on a 26-year old planting of four apple varieties on M VII, MI, MII and seedling rootstocks. The latter experiment indicates that trees