mentioned. As a supplement, "Frutas de Clima Templado" (Casseres (Editor), 1966. Instituto Interamericano de Ciencias Agrícolas de la OEA, Turrialba, Costa Rica. 151 pp.) treats with the principles of growing fruit crops in the temperate (mountain and high plateau) regions of the tropics.

Unfortunately, no adequate single text exists for a course in tropical horticulture. In Spanish, "Producción de Hortícolas" (Casseres, 1966. Instituto Interamericano de Ciencias Agrícolas, Turrialba, Costa Rica. 280 pp.) is a valuable start. The book is organized around principles and practices of production, rather than around crops. Also included is useful information on origin and taxonomy of vegetable crops. This is an informative text, but of course limited to Spanish-speaking readers.

"Vegetable Production in Southeast Asia" (Knott and Deacon, 1967. University of the Philippines Press, College, Laguna. 406 pp.) is of particular value for its treatment of little-known vegetables of the area involved. Production systems for more familiar vegetables are also given, with special emphasis on experience gained in the Philippines and Taiwan. Introductory chapters on principles (soils, pest control) are supplemented by information on status and needs. The sections on handling, and seed production are particularly worthwhile. This is probably the best text available on tropical horticulture.

Several paperback publications may be used to round out the course in tropical vegetable culture. "Vegetable Gardening in the Caribbean Area" (Winters and Miskimen, 1967. Agricultural Handbook No. 323, U. S. Government Printing Office, 114 pp.) covers most vegetable crops in a cursory fashion. Sections on practices, pests, and diseases are particularly useful and fairly up to date. "Fruits and Vegetables in West Africa" (FAO, 1965. Rome, Italy. 259 pp.) is of special interest because of the region involved. "Tropical Vegetables, Vegetable Growing in the Tropics and Subtropics, Especially of Indigenous Vegetables" (Terra, 1966. Comm. 54e, Dept. Agric. Research, Royal Tropical Institute, Amsterdam, Holland. 107 pp.) is very interesting because of its encyclopedic coverage of even minor vegetables. I have not seen a list of vegetables as extensive.

I have purposely not mentioned some older works which now need some revision. These should be part of any library on tropical agriculture, however. Not all such worthwhile old-timers are included in the list below:


Many treatments of specific crops are available, but those are beyond the scope of this review. Some excellent journals cover tropical horticultural crops. Among these are Tropical Agriculture (Trinidad), Horticultural Abstracts (East Malling), Tropical Abstracts (Amsterdam), and Fruit D'Outre-Mer (Paris). A variety of other journals, often in Spanish or Portuguese, are frequently useful.

In summary, no single text of wide applicability is available for the course in tropical horticulture. Problems of generality, incompleteness, or language limit any single publication. A library of the better books may be out of the reach of the student, but the instructor at least should have adequate literature on hand for his own reference. The preparation of a course in tropical horticulture is bound to reflect some confusion due to the immense scope of the field and the lack of a condensed text. A good one-volume text in tropical horticulture, covering both principles, practice, and fruit and vegetable crops, is sorely needed.

New Vegetable Varieties List XVII

Compiled by the Garden Seed Research Committee
American Seed Trade Association
and
Edited by W. C. Barnes

Clemson University, Charleston, South Carolina

Sixteen prior lists of new vegetable varieties introduced since 1936 were published in Vols. 63, 65, 67, 69, 70, 75, 77, 82, 84, 86, 88, 90, and 92 of Proceedings of the American Society for Horticultural Science, and Vol. 4 No. 1 of HortScience.

1Received for publication February 9, 1970.
2Truck Experiment Station.

The following abbreviations are used: exp. desig.--experimental designation; orig.--originated at or by; intr.--introduced by; par.--parentage or parents; char.--outstanding characteristics; res.--resistant to; sim.--similar to or resembles; sel.--selection or selected; sl.--slight or slightly; adapt.--adapted to or adaptation.

BEAN, FIELD


BEAN, GARDEN


CATSKILL (Exp. desig. KB-4)--1966--Orig. and intr. by Keystone Seed Co. Char. round, smooth, light green 5 to 6 in. pods. High percent size 4 pods, mechanical harvest. Res. common BV.


MOONGOLD (Exp. desig. 2807)--1969--Orig. and intr. by Northrup, King & Co. Char. slim pod wax, medium short plant. Res. common BV.

OLYMPIA (Exp. desig. KB-2)--1966--Orig. and intr. by Keystone Seed Co. Char. medium green, small 5 to 5 1/2 in. pods, mechanical harvest. Res. common BV. Keystone Catalog.


CABBAGE

GREEN BOY (Exp. desig. #63)--1968--Orig. by Sakata. Intr. by Northrup, King & Co. Hybrid. Char. mid-early, round head, medium stem, gray-green color for market or kraut. Res. tolerant yellows.


RED HEAD (Exp. desig. 5587)--1969--Orig. and intr. by Keystone Seed Co. Par. Hybrid. Char. mid-season, red, spherical heads, holds well. Sim. red market types. Keystone Catalog.


CANTALOUPE


CARROT

BUNNY BITE (Exp. desig. E8205)--1971--Orig. and intr. by Ferry-Morse Seed Co. Char. miniature Chantenay, excellent early color, excellent quality. For “baby carrot” and home garden use.

NUGGET--1968--Orig. and intr. by Keystone Seed Co. Par. European forcing type used in parentage. Char. early, small, spherical, good color root for whole pack processing. Adapt. wide.


CORN, POP

FIRESIDE--1969--Orig. by N. H. AES. Durham, N. H. Par. Tom Thumb x Strawberry. Char. early, dwarf plants, with two mahogany red or golden ears. Adapt. general.

CORN, SWEET

BUTTERSWEET (Exp. desig. 5M000)--1968--Orig. and intr. by Keystone Seed Co. Char. Hybrid. Mid-season, processing, white silk, 20 rows, tender large ears. Holds well for mechanical harvest. Adapt. processing areas. Keystone Catalog.


HY-TIME--1969--Orig. and intr. by Charter Seed Co. Char. hybrid, week earlier than Golden Cross Bantam, 16 row, 7 1/2 to 8 inch ear, yellow deep kernels, high quality, minimum tilling. Adapt. general.

SILVER BEAUTY--1968--Orig. and intr. by Sweet Corn Genetic Service. Char. unusually sweet and tender, white hybrid, good husk cover. Sim. Golden Cross but white. Adapt. general.

SUPER CHIEF (Exp. desig. Code 559)--1970--Orig. and intr. by Charter Seed Co. Char. early hybrid, attractive, high quality ear. Sim. Seneca Chief. Adapt. wide.
TRIUMPHANT (Exp. design. S RX 207)-1969-Orig. and intr. by Niagara Chemical Div. FMC Corp. Char. main season processing hybrid, ears 16-18 rows, well filled, good husk cover, tender, excellent holding. Adapt. Mid-west and Mid-Atlantic.

ULTRASWEET (Exp. design. 5E, YT)-1968-Orig. and Intr. by Sweet Corn Genetic Service. Char. crisp but tender, high natural flavor. Plant adapted to narrow row planting. Res. wind and bird damage.

ULTRATENDER-1968-Orig. and intr. by Sweet Corn Genetic Service. Char. processing hybrid, brilliant gold color, high cutting percentage, holds well. Res. smut, drought and wind. Adapt. main corn areas.

WONDERGOLD (Exp. design. 6657)-1969-Orig. and intr. by Northrup, King & Co. Char. hybrid, white silk, 18 row, narrow deep kernels. Sim. NK 199.

YUKON ( Exp. design. 6618)-1969-Orig. and intr. by Northrup, King & Co. Char. hybrid, white silk, Carmel Cross season, 16 row yellow. Sim. Queen Ann.

CUCUMBER


GALAXY (Exp. design. SC 23)-1969-Orig. by Clemson Univ. AES, Charleston, S. C. and Asgrow Seed Co. Intr. by Asgrow Seed Co. Par. complicated, using PI 197087, 196289 and Asgrow lines. Char. white spine pickle, medium, dark green fruit with slowly developing seed and small seed cavity. L/D 2.9. Sim. Chipper and Pixie. Res. downy and powdery mildews, anthracnose and angular leafspot, CMV. Adapt. South.

EGGPLANT


LETTUCE


PEAS

BONUS (Exp. design. XP1-14)-1968-Orig. and intr. by Asgrow Seed Co. Char. freezer in Dark Skin Perfection season, with highly doubled and tripled pods. Sim. Dark Skin Perfection. Res. race 1 Fusarium wilt. Adapt. general. Asgrow’s “What's New for 1969.”


PUMPKIN


SQUASH

PRIMA QUALITA (Exp. design. S RX 301)-1968-Orig. and intr. by Niagara Chemical Division, F.M.C. Corp. Char. hybrid, open sturdy bush, dark green, long fruits. Sim. Zucchini. Adapt. general.


PUMPKIN


RADISH


SOYBEAN, EDIBLE


SQUASH

PRIMA QUALITA (Exp. design. S RX 301)-1968-Orig. and intr. by Niagara Chemical Division, F.M.C. Corp. Char. hybrid, open sturdy bush, dark green, long fruits. Sim. Zucchini. Adapt. general.


TOMATO

MINI RED CHERRY-1968-Orig. and intr. by Burgess Seed & Plant Co. Char. regular size cherry fruits on small plant. Burgess 1969 catalog.

MINI RED Currant-1968-Orig. and intr. by Burgess Seed & Plant Co. Char. regular currant fruits on small compact plant. Burgess catalog.

MINI RED PEAR-1968-Orig. and intr. by Burgess Seed & Plant Co. Char. regular red pear fruit on small compact plant. Burgess catalog 1960.
MINI RED PLUM—1968-Orig. and intr. by Burgess Seed & Plant Co. Char. regular red plum fruit on small compact plant. Burgess catalog 1969.


WATERMELON

TROPIC (Exp. desig. 216)—1969-Orig. by Florida AES, Bradenton. Par. 479-6-1 CASTMW x 18-D-2-D4-8-1. Char. trellis type, vigorous vine, fruit large, attractive and deep in polar dimension. Sim. Manalucie and Manapal. Res. race 1 Fusarium and Verticillium wilt, gray leafspot and graywall. Adapt. Southeast. Univ. Fla. AES Cir. S-198, 1969.


SEEDSMEN SUBMITTING VARIETIES FOR NAMING ON ASHS VEGETABLE VARIETY LIST XVII

Agrow Seed Co. ........ Orange, Conn. 06477
Burgess Seed and Plant Co. .... Galesburg, Mich. 49053
Castle Seed Farms ........ Morgan Hill, Calif. 95037
Charter Seed Co. ........ Twin Falls, Idaho 83301
Crookham Co. .......... Box 520, Caldwell, Idaho 83605
Desert Seed Co. .......... Box 181, El Centro, Calif. 92243
Farmer Seed and Nursery Co. .... Faribault, Minn. 55021
Ferry-Morse Seed Co. ....... P.O. Box 100, Mountain View, Calif. 94040
Illinois Foundation Seeds, Inc. .... Box 722, Champaign, Ill. 61820
Keystone Seed Co. ........ P.O. Box 1438 Hollister, Calif. 95023
Niagara Chemical Division, FMC Corp. .... P.O. Box 3091, Modesto, Calif. 95353
Northrup, King & Co. ...... 1500 Jackson St., N.E., Minneapolis, Minn. 55440
Rogers Bros. Co. .......... P.O. Box 2188, Idaho Falls, Idaho 83401
Sakata & Co., T. ........ Box Kanagawa No. 11, Yokohama, Japan
Stokely-Van Camp, Inc. ......... Spokane, Wash. 99216
Sweet Corn Genetic Service ...... 808 East Lincoln Way, Rt. 2, Ames, Iowa 50010
University of Hawaii AES, Bus. Ofc. .... Honolulu, Hawaii 62822

ALPHABETICAL INDEX OF NEW VEGETABLE VARIETIES (LIST XVII)

<table>
<thead>
<tr>
<th>Variety name</th>
<th>Kind of vegetable</th>
<th>Year Introduced</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atlas</td>
<td>Bean, field</td>
<td>1968</td>
</tr>
<tr>
<td>Bush Blue Lake 141</td>
<td>Bean, garden</td>
<td>1969</td>
</tr>
<tr>
<td>Bonus</td>
<td>Pea</td>
<td>1968</td>
</tr>
<tr>
<td>Bunny Bite</td>
<td>Carrot</td>
<td>1971</td>
</tr>
<tr>
<td>Buttersweet</td>
<td>Corn, sweet</td>
<td>1968</td>
</tr>
<tr>
<td>Cascade</td>
<td>Bean, garden</td>
<td>1966</td>
</tr>
<tr>
<td>Catskill</td>
<td>Bean, garden</td>
<td>1966</td>
</tr>
<tr>
<td>Cheshibb</td>
<td>Lettuce</td>
<td>1970</td>
</tr>
<tr>
<td>Classic</td>
<td>Bean, garden</td>
<td>1970</td>
</tr>
<tr>
<td>Comanche</td>
<td>Cucumber</td>
<td>1968</td>
</tr>
<tr>
<td>Del Rey</td>
<td>Bean, garden</td>
<td>1969</td>
</tr>
<tr>
<td>Dixie 23</td>
<td>Cucumber</td>
<td>1970</td>
</tr>
<tr>
<td>Early Golden Giant</td>
<td>Corn, sweet</td>
<td>1968</td>
</tr>
<tr>
<td>Early Xtra-Sweet</td>
<td>Corn, sweet</td>
<td>1970</td>
</tr>
<tr>
<td>Fireside</td>
<td>Corn, pop</td>
<td>1969</td>
</tr>
</tbody>
</table>

Galaxy                  Cucumber          1970
Goldenchief             Corn, sweet       1968
Green Boy               Cabbage           1968
Hy-Pak                  Pea               1969
Hy-Time                 Corn, sweet       1969
Jet Pak                 Cabbage           1970
Kahala                  Soybean, edible    1969
Kaikoo                  Soybean, edible    1969
Kailua                  Soybean, edible    1969
Maestro                 Bean, garden      1968
Wars                    Pea              1968
Mini Red Cherry         Tomato           1968
Mini Red Currant        Tomato           1968
Mini Red Pear           Tomato           1968
Mini Red Plum           Tomato           1968
Mokapu                  Soybean, edible    1969
Mongold                 Bean, garden      1968
Nugget                  Carrot           1968
Olympia                 Bean, garden      1966
Parker                  Tomato           1969
Planters Jumbo          Cantaloupe       1969
Pompano Pride           Eggplant         1968
Prima Qualita           Squash           1968
Red Head                Cabbage          1969
Royal Red               Bean, field       1968
Seafarer                Bean, field       1968
Silver Beauty           Corn, sweet      1968
 Spartan Advance        Cucumber         1970
Spartansweet           Corn, sweet      1969
Summerfield             Watermelon      1969
Sunset                  Tomato           1970
Super Chief             Corn, sweet      1970
Tara                    Bean, field       1969
Tendercrisp             Lettuce          1969
Tricky Jack             Pumpkin         1969
Triumphant              Corn, sweet      1969
Tropic                  Tomato           1969
Ultrasweet              Corn, sweet      1968
Ultratender             Corn, sweet      1968
Ventura                 Cabbage          1969
Waltham Butternut       Squash           1970
White Prince            Radish          1969
Wondergold              Corn, sweet      1969
Wondergreen             Bean, garden     1968
Yukon                   Corn, sweet      1969