

HORTICULTURE NOTE NO. 7 (revised)

VEGETABLE VARIETY RECOMMENDATIONS FOR PNG LOWLANDS

CROP	VARIETY	SUPPLIER	REMARKS
FRUIT PRODUCING VEGETABLES			
Pumpkin	Local	(1)	Imported varieties do not set fruit well in lowland conditions.
Cucumber	Green Gem	Yates N.Z.	Dark green standard market type, 20x6cm.
	Telegraph	Yates Australia Yates N.Z.	Long spineless type for protected cultivation; specialised growers only.
Watermelon	Sugar Baby	Yates N.Z.	Round, dark green skin, Red flesh, 4-5Kg.
	Candy Red	Yates Australia Yates N.Z. Yates Australia	Oblong, pale green skin, darker veins, red flesh, 5-10Kg
Rockmelon	Dixie Jumbo	Yates N.Z. Yates Australia	Hybrid with resistance to powdery and downy mildew; 1.5-2Kg specialized growers only.
	Hales PMR 45	Yates N.Z.	Older open pollinated variety, resistant to powdery mildew; 1-1.5Kg, smaller than Dixie Jumbo; specialised growers only.
Capsicum-sweet	California Wonder	Yates N.Z. Yates Australia	Both varieties are large fruited sweet bell peppers; normally harvested green but will turn red if left on the plant.
	Yolo Wonder	Yates N.Z. Yates Australia	
Capsicum-hot	Long Red Cayenne	Yates N.Z. Yates Australia	Long (13cm) thin hot red chilli.
Eggplant	Millionaire	Takii	Long slender fruit, about 200g.
Tomato	Island Red	Yates N.Z.	Bacterial wilt resistant and heat tolerant; fruit rather soft and prone to cracking; Bush type growth.
	Floradade	Yates Australia	Firm medium large fruit; bush type; for mid-elevation (above 500m), resistant to Verticillium and Fusarium Race 1 and 2.
	Redlands Summertaste	Yates Australia	Tall Growing hybrid for staking, flattened globe shape-fruit; bacterial wilt resistant.

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Okra	Clemson's Spineless	Yates N.Z. Yates Australia	Smooth green pods; pick when young and tender.
Zucchini	Blackjack	Yates N.Z. Yates Australia	Hybrid, bush type; for courgettes pick when about 18cm long.
LEGUMES (PEAS AND BEANS)			
Dwarf French	Redlands New Pioneer	Yates Australia	Bush type, pods semi-flat, stringless, performs better above 500m.
Snake Bean	Yard Long	Yates N.Z.	Climbing Vigna type bean very long dark green pods; heat tolerant, good for coastal areas.
GREEN VEGETABLES			
Broccoli (Green)	Green Comet	Takil/Yates Australia	Hybrid green broccoli - for specialised growers only.
Cauliflower	Snow Queen	Takil	Tropical hybrid cauliflower; rather small curds; newer hybrids available but not yet tested in PNG.
	Snow Diana	Yates Australia	Black rot tolerant hybrid for mid-elevation (above 500m).
Cabbage-English	KK Cross	Takil	Heat tolerant and black rot resistant hybrid.
	KY Cross	Takil	Heat tolerant hybrid.
	Eureka	Yates Australia	Excellent holding ability; Fusarium yellows resistant and blackrot tolerant.
Cabbage-Chinese	Tropical Delight	Sakata	Heading type hybrid for specialist grower.
	Pak Choi	Yates N.Z.	Open-pollinated non-heading type; dark green leaf, white midrib; easy to grow.
	Kwang Moon		
Lettuce	Minetto	Yates N.Z.	Small compact head.
Silver Beet (Swiss Chard)	Yates Master-green (Fordhook Dark Green)	Yates N.Z.	Large dark green crinkled leaves, long white mid-ribs; both varieties are selections of Fordhook Giant.
	Fordhook Master	Yates Australia	

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BULBS AND ROOTS			
Carrot	New Kuroda	Takii	Tolerant to heat and alternaria leaf blight; Chantenany type.
Onion - bulb	Texas Early Grano	Yates N.Z.	Recommended only for February to June sowing in Port Moresby area (irrigation required).
	Red Creole	Yates Australia	Texas Early Grano is a mild yellow onion with large bulbs which do not store well; Red Creole is a flat red onion with medium pungent bulbs and fair storage quality.
Onion - bunching	Multistalk Shallot Bunching	Yates Australia	Non-bulbing type; can be multiplied by division of old clumps.
Radish - Red	Stoplight	Yates N.Z.	Small quick maturing radish for use in salads; red globe shape.
- White	Minowase Summer Cross No.3	Takii	Long Japanese Radish (40x6cm), white skin and flesh, roots about 800g each; for cooking pickling or salad.

CORN

Sweet Corn	Mapee	Yates Australia ⁽²⁾	Limited supplies available.
Maize -	Consult DAL Erap for advice on maize varieties.		

(1) Seed can be saved from selected plants of this crop, see Fitzgerald and Bull (1983).

(2) Order through Regional Horticulturist, New Guinea Islands.

Buying Seed

Seed loses its ability to germinate if stored in a high temperature for a long time. It is best to buy seed in foil packets or sealed tins which have been stored in a cool place. Check packets to see if they are stamped with an expiry date and avoid buying old packets as the seed will probably not germinate.

Seed Suppliers

Seed can be obtained from the following companies:

Port Moresby: Brian Bell
South Pacific Machinery

Lae : South Pacific Machinery

Rabaul : Harcross
Brian Bell
Farmset

The seed companies which produce the varieties listed are::

Know-You Seed Co Ltd
26 Chung Cheng 2nd Road,
Kaoshiung,
Taiwan, R.O.C.

Yates Australia
P.O. Box 72
Revesby 2212
Australia.

Takii and Co. Ltd
P.O. Box 7
Kyoto Central 600-91
Japan

Yates New Zealand Ltd.,
P.O. Box 1109
Auckland 1
New Zealand

T. Sakata and Co.,
C.P.O. Box Yokohama No. 11
Yokohama
Japan 220-91

Seed may be obtained by mail order direct from the above companies. An import permit must be obtained from:

Plant Quarantine Section
P.O. Box 6372
BOROKO

If you are unable to obtain a variety in the recommended list please contact your regional horticulturist at:

New Guinea Islands

Lowlands Agricultural Experiment Station
P.O. Kerevat
E.N.B.P.
RABAUL
Telephone: 926251/2

Papua Region

Food Management Branch
P.O. Box 417
KONEDOBU
Telephone: 214798

Momase Region

DAL Erap
P.O. Box 1984
LAE
Telephone: 449374

Highlands Region

Department of Agriculture and Livestock
P.O. Box 776
GOROKA
Telephone: 551377

Further reading:

Fitzgerald, J. and Bull, P.B. (1983) Producing and saving your own vegetable seeds. Harvest 9 (1), 1-4.

This horticulture note replaces Horticulture Note No. 7: Vegetable Variety Recommendations for the Port Moresby Lowlands, by Bull, P.B. which first appeared in Harvest 9 (2) 1983).

Copies may be obtained from:

Publications Section
Department of Agriculture and Livestock
P.O. Box 417
KONEDOBU