

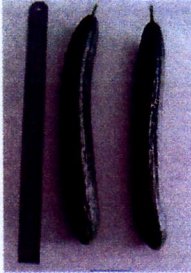
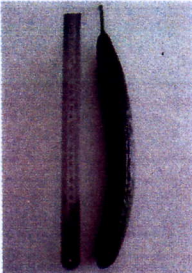
FOOD AND AGRICULTURAL RESEARCH AND EXTENSION INSTITUTE

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RECOMMENDATION SHEET

English cucumber varieties for hydroponics

English cucumber is an important greenhouse crop. Several hybrids were introduced and evaluated for their yield potential and adaptability to our local conditions. Among these, varieties Acylia, Alladin and Delft performed well, have excellent characteristics and are recommended for hydroponics production. Their characteristics are given below.

Characteristics	Acylia	Variety Alladin	Delft
			
Type	F1 Hybrid parthenocarpic* English cucumber	F1 Hybrid	F1 Hybrid
Plant growth habit	Highly vigorous plant adapted for longer crop cycle	Highly vigorous plant	Strong growth with medium open plant habit (vegetative cover)
Fruit weight (g)	300 - 350	300 - 350	350 - 400
Fruit length (cm)	30 - 32	28 - 30	32 - 34
Fruit diameter (cm)	6.0 - 7.0	6.0 - 7.0	7.0 - 7.5
Fruit skin colour	Dark glossy green	Dark glossy green	Dark glossy green
Presence of ribs	Slight	Slight	Slight
Presence of spines	Hardly noticeable	Hardly noticeable	Hardly noticeable
Maturity (days after transplantation)	28 - 30 days	28 - 30 days	28 - 30 days
Fruit yield per plant for a crop cycle of 3 months (unit)	20 - 25	20 - 25	20 - 25
Disease tolerance	- Good overall disease tolerance - Intermediate tolerance to powdery mildew	- High tolerance to powdery mildew - Intermediate tolerance to downy mildew	- Intermediate tolerance to powdery mildew - Intermediate tolerance to downy mildew
Adaptability	- Widely adapted to all local agro-climatic zones	- Widely adapted to all local agro-climatic zones - Tolerant to heat	- Widely adapted to all local agro-climatic zones - Tolerant to heat

* The fruit develops without fertilization of seeds

Variety Acylia - Source of seeds: Vilmorin
Local supplier: Hortibel Maurice Ltd

Varieties Alladin and Delft - Source of seeds: Mayford/Sakata
Local supplier: Blychem Ltd