

QUINCE CULTIVARS



Shaidarova's Pear-Shaped variety



Darunok onuku variety

Areas of Application

The quince cultivars are used in gardening, food industry, canning, confectionery, and pharmacognosy. The quince multivitamin fruits are a source of macro- (Fe, K, and P) and microelements (Cu, Mn, Zn, and Co). The fruits, leaves, and seeds are used to treat anemia, hypertension, asthma, and diarrhea

Specification

The fruits are apple-shaped, pear-shaped or cylindrical; yellow or orange colored. The 5 quince cultivars (*Akademichna*, *Darunok onuku*, *No.18 Kashchenko*, *Maria*, and *Studentka*) bred at the NBG have been recorded in the State Register of Plant Varieties of Ukraine.

Average weight, g	250–500
Fruit biochemical parameters:	
pectin, %	0.88–1.30
sugars, %	10.0–12.0
organic acids, %	0.25–0.80
vitamin C, mg%	99.0–115.0
polyphenols, mg%	80.0–153.0
carotenoids, mg%	15.0–30.0

Advantages

As compared with counterparts these cultivars bred at the NBG are winter-hardy and can withstand temperature down to -30°C ; the plants abundantly yield fruits annually. The quince cultivation area has expanded by 500 km northward

Stage of Development.
Suggestions for Commercialization

IRL3, TRL4
The use of varieties is governed by license agreements. Recommendations on plant growing are provided. Plant and propagation materials are available

IPR Protection

IPR2, IPR3

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