

**Krause W. 1976. Mainstreet
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The average size for a vegetable greenhouse in Holland is 46,000 sq.ft., but varies according to various parts of the country from 75,000 to 35,000 sq.ft. Labor costs are high, in the region of about \$11,280 per man year of 1,900 hours work. For the main vegetable crops like tomatoes, cucumbers, and peppers, the requirements are one man per 30,000 to 33,000 sq.ft., one man per 20,000 sq.ft. for roses, one man per 15,000 sq.ft. for carnations. For year around mums, the average is one man per 25,000 sq.ft. and for spray carnations and freesias, about one man per 20,000 sq.ft. Costs for the standard Venlo block, with bay widths of 10.5 ft. and eave height of 8.2 ft., varies between 1.04 and 1.22 per sq.ft. 1.11 to 1.32 per sq.ft. for the double and treble bay Venlo, and 1.39 to 1.74 per sq.ft. for the 26.2 ft. house. The investment required to set up a new range in Holland, including heating installation and all other equipment ranges between \$2.61 and \$4.18 per sq.ft., depending upon the soil. Of the total investment, about 33% is the cost of the greenhouse, 22% for heating, 17% for building, 14% for technical equipment, 8% for land, and 5% for tools and machinery.

About 85% of the heated acreage is natural gas, and is used as a CO₂ source. The cost of gas ranges from 0.12¢ to 0.17¢ per cu.ft. for 1976, plus a fixed charge of \$1,692 per year. The energy value of 42,360 cu.ft. of gas is about the same as that of one ton of heavy oil. Heavy oil in Holland is about \$75.20 per ton. Light oil is about 47¢/gallon.

For heavily heated vegetable crops, about 245 cu.ft. per sq.ft. of gas is required. For roses, the amount is 229, carnations 114, and for year around chrysanthemums about 294 cu.ft. natural gas per sq.ft.

1 Guilder = 37.6¢

Area and number of ranges in different branches of Dutch horticulture.

	Area (acres)	Number
Field vegetables	102,500	22,300
Pome and stone fruits	79,500	10,500
Berried fruits	2,125	3,300
Vegetables under glass		
Cold	3,750	
Heated	8,250	
Fruit under glass	375	1,600
Flowers under glass	6,325	8,000
Mushrooms	180	1,100

Costs of production in Dutch greenhouse industry.

	Growing Costs	Total Production Costs
Tomatoes (Jan. to Aug.), Cucumbers (mid-Aug. to Nov.)	\$5.64-\$6.02	\$13.16
Tomatoes (mid-Feb. to mid-Aug.) 2 lettuce crops	\$4.14-\$4.51	\$11.28
Cucumbers (Jan. to mid-July) Tomatoes (mid-July to mid-Nov.)	\$6.02	\$13.54
Roses	\$5.64	\$15.04
Year-round mums	\$9.78	\$18.80
Freesias	\$7.82	\$12.03
Carnations	\$3.55	\$13.16
Anthuriums	\$6.58	\$15.84

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