

BUL3\*05

## Oil Crop Cultivation in Sweden in 1985

By GÖSTA OLSSON,

The Swedish Oil Plant Growers Association, Box 161, 201 21 Malmö, Sweden.

A survey of harvested acreage, seed yield and oil content of different oil crops in 1984 and 1985 is given in Table 1. The seed yield figures have been adjusted to a water content of 18 per cent as the payment to the farmers is based on this percentage. The oil content is given as per cent of dry matter.

The farmers price for seed with a low erucic acid content but a normal glucosinolate content and an oil content of 45 per cent in the dry matter was 2:45 Swedish crowns per kg. This is 2 per cent less than in 1984.

A new winter rape cultivar of 0-type, Svalöfs Juno, will be marketed in 1986. Juno is a selection

Table 1. – Oil crop cultivation in Sweden in 1984 and 1985.

Cultivated crops	Hectares		Seed yield kg/ha		Oil content in % of dry matter	
	1984	1985	1984	1985	1984	1985
Winter rape	37 800	51 100	3 150	3 200	45.1	46.1
Winter turnip rape	480	1 850	1 910	2 070	46.8	46.3
Summer rape, 0-type	26 020	3 780	2 110	1 970	44.7	43.9
Summer rape, 00-type	36 070	41 290	2 120	1 920	45.7	45.2
Summer turnip rape	59 670	66 290	1 930	1 570	44.4	44.0
Total	160 040	164 310				

Compared with average winter rape showed a higher yield the last two years and during the winter of 1984/85 only 7 per cent of the sown acreage was killed. In 1985 the small acreage of winter turnip rape was mostly sown with cultivars with a high erucic acid content, but in 1986 a new cultivar, Svalöfs Per, with a low erucic acid content is commonly cultivated. Of summer rape 92 per cent of the acreage has been sown with cultivars with both a low erucic acid content and a low glucosinolate content. The average glucosinolate content in the harvested seed from double low cultivars was not more than 17 micromoles in 1985. This year only spring rape cultivars of double low type will be grown.

from Jupiter with the same good winter hardiness as Jupiter but with better stalk stiffness and 4 per cent higher seed yield. Of foreign cultivars tested in 1985 the French cultivar Bienvenu was more damaged during the winter than the Swedish cultivars and also more than Jet Neuf.

White mustard (*Sinapis alba*) has earlier been cultivated as an oil crop in Sweden but during the last years solely for mustard production. At Svalöf selections for high erucic acid content has been carried out in *Sinapis alba* and next year a cultivar with 55 per cent erucic acid in the oil will be available. An oil with high erucic content is desirable for technical purposes.