



BREEDING OF CONFECTIONERY SUNFLOWER VARIETIES IN VNIIMK

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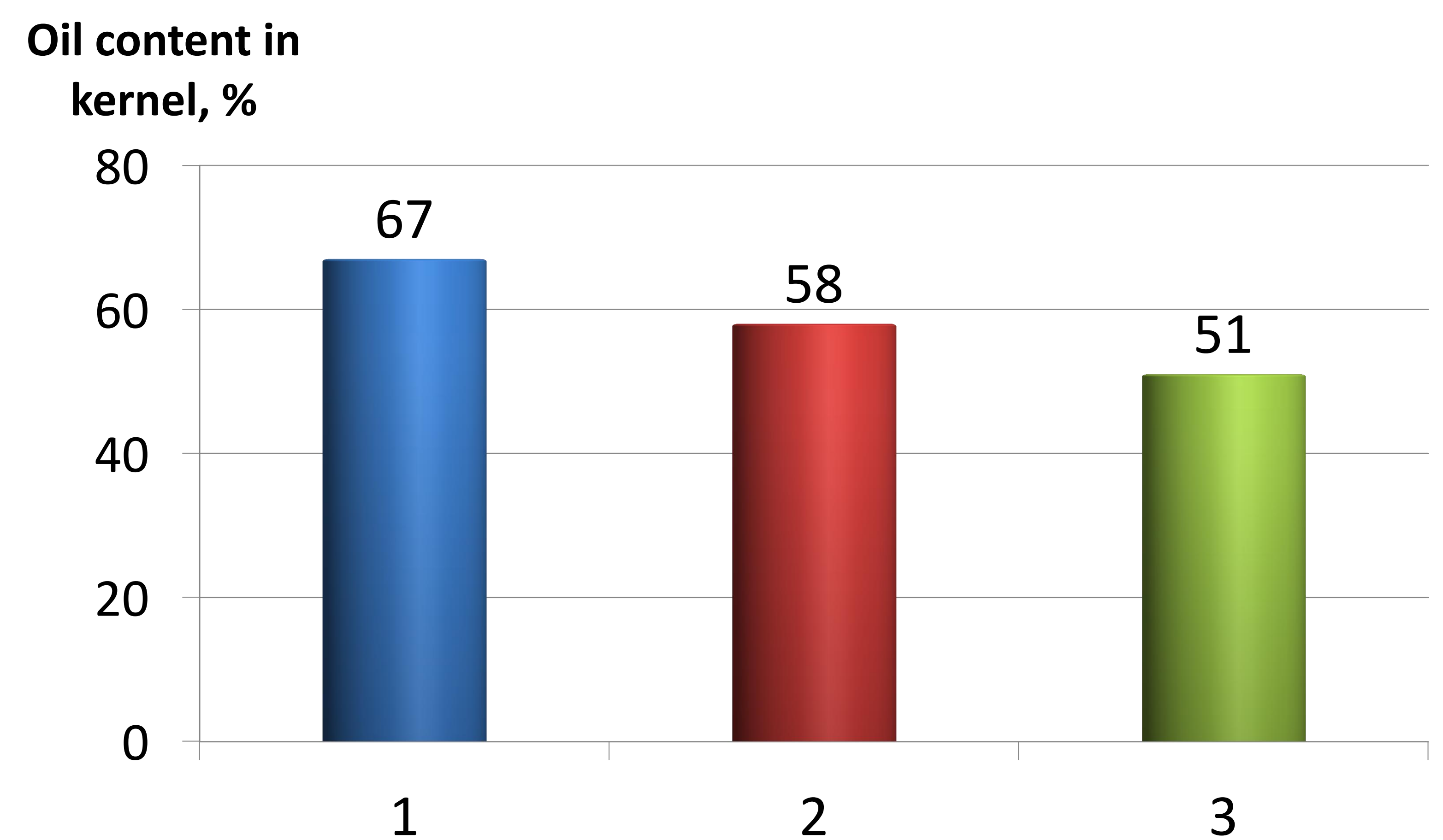
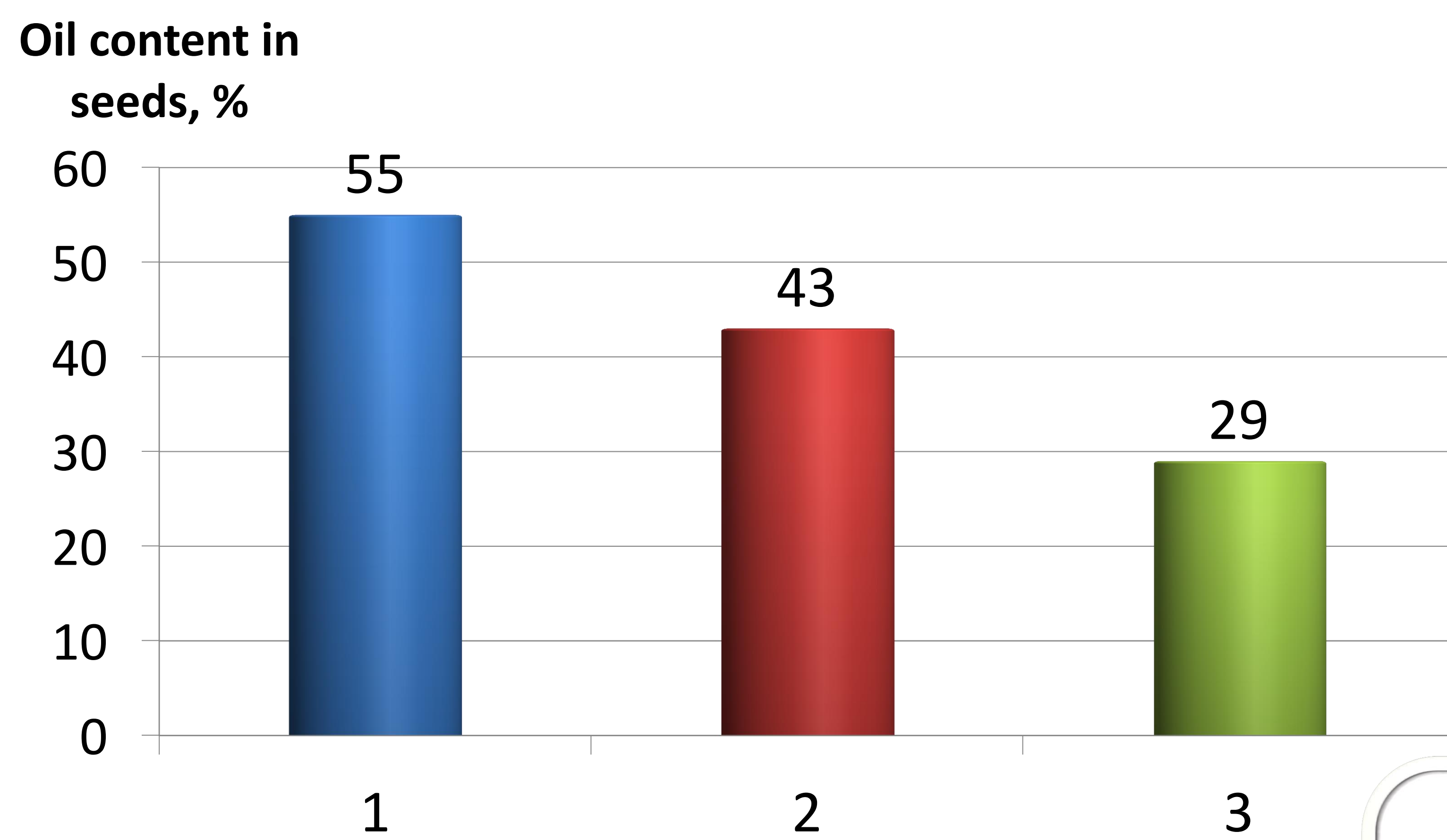
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Last five years, the acreage under the confectionery sunflower in Russia was about one million hectares per year. This is about 12% of the total area of this crop. Large-seeded open pollinated varieties are mainly grown on commercial fields of confectionery sunflower in Russia. From a botanical point of view, the achenes of these OP varieties are of an intermediate type between confectionery and oilseed hybrids.

The weight of thousand achenes of these varieties is 100-120 gm, the oil content is 45-47% and the husk content 28-30% at the plant density of 40 thousand per ha. VNIIMK (Krasnodar) breeding varieties belong to different ripening groups from 110 to 120 days of vegetation period. New directions of breeding of confectionery varieties are associated with the development of high-oleic, imidazolinone and tribenuron-methyl resistant genotypes.

Confectionery variety	Vegetation period, days	Seed yield, t/ha	1000 seed weight, gm	Oil content, %	Husk content, %
SPK	117	3,6	126	44	30
Lakomka	117	3,6	119	46	28
Dzhinn	115	3,7	130	45	31
Oreshkek	112	3,4	120	46	30
Belochka	110	3,5	130	46	29

plant density of 30 thousand per ha



On picture and diagram:
 1 – oilseed type;
 2 – confectionery (intermediate)
 3 – confectionery (standard)

