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We have investigated the seed oils of several species of the family Solanaceae growing in various regions of Azerbaidzhan [1, 2]. Plants of this family give a large number of oilrich seeds which can be used for technical and food purposes.

To isolate the oils, the freshly collected seeds were dried, ground with a hand mill, and extracted with petroleum ether  $(40-60^{\circ}\text{C})$ , and the solvent was distilled off. The physicochemical indices of the oils were determined by the methods usually adopted [3]. The results obtained are given in Table 1 (see page 679).

Judging from the iodine and thiocyanogen Nos., the oils studied belong to the linolenic group. The investigation of the oils is continued.

## LITERATURE CITED

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- 3. Handbook on Methods of Investigation, Technical, and Chemical Control, and the Accounting of Production in the Oils and Fats Industry [in Russian], Book II, Leningrad (1967).

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TABLE 1										
ts, growth site, and date ollection	Amount of oil, % on the weight of the airdry raw ma material	Density, g/cm³	Refraction index	Acid No., mg of KOH/g	Saponifi- cation No mg of ROH/ g	Iodíne No., % of I <sub>2</sub>	Thiocy- anogen No., % of I <sub>2</sub>	Phospho- lipid con- content,	Unsapon- ifiables, %	Neutraliza- tion No. of the fatty acids, mg of KOH/g
Solanum kleseritzkii C. A. Mey. 800 m above sea level, Lenkoranskii region, October 5, 1971	17,81	0,9217	1, 1518	1.32	186.3	117.2	8	5,1	×	205,5
S. dulcamara I., Baku, Botanical Gardens, September 10, 1971	18,36	8.226.0	1 1628	8 -	191,1	18.6	1,50	0,12	1,52	207,1
S. persieum W., Baku, Botanical Gardens, September 10, 1971	21,27	0,9282	F, 1558	1.28	z xx.	115,3	6,26	0.13	1.2	202
S. pseudopersicum Pojark, Baku Botanical Gardens, September 10	20,84	0,9264	1.4567	1,31	188,2	117,4	1.68	0,15	98,	206,2
S. nigrum L. Baku, Botanical Gardens, September 10, 1971	16.71	0.9228	1,4163	1,73	188,3	112,8	91,3	1		201,3
S. transcaucasienm Pojark, Lenkoranskii region,	16,91	0,9211	<u> </u>	1,67	186,6	106,2	द <b>ं</b> स	0, 11	07.1	201.6
October 2, 1370 S. Inteum Mill, Baku, Botanical Gardens, September 10, 1971	15,62	0,9272	1, 1252	1,29	181,2	109,8	91.8	0,12	1.1	201,3
S. rostratum Dun. Environs of Stepanakert, September 18, 1971	11,85	0,9412	1, 1183	6	161	118,3	s. 96	0,10	1,21	202,7
S. sisymbriliolium I. a m., Environs of Astara, October 5, 1971	15,41	0,9146	1, 1541	1 87	1.681	118,7	1.,60	0.11	1.19	202,3
Physalis alkekengi I., Environs of Zakataly, August 25, 1975	9	0,9264	1,4681	2,6	189,8	116,3	8.96	0,16	67.	204,1
Ph. ixocarpa Brot et Hornelli. Environs of Zakataly, August 25, 1975	16,71	0,9256	1,4714	10.1	192,8	118,9	95,8	1.0	1,56	206,3
Atropa caucasica Kreyer, Lenko- ran', near "30 km," October 5, 1971	19,25	0,9423	1,4694	L'6	198,4	121.4	92,2	0,12	*	8,102
Lycium barbarum L., Баку, Baku, вотапісаї Gardens, October 16, 1974	17,21	0.9244	1,4743	1,28	191.2	119.2	76,31	0,10	1,53	0,000
L. turcomanicum Turez. ex Baku, Botanical Gardens, October 16, 1974	19,28	0,9238	1,4687	1,17	190,3	× ×	71,68	0,17	<u> </u>	5.102
Hyoscyamus niger L., Fizuli, village of Garakollu, September 14, 1969	25,8	0.93 t2	1, 1673	12,1	188,6	139,5	. 88 	0,15	50°1	201,6
H, reticulatus L., Fizuli, village of Garakollu, September 14, 1969	27,411	0.9274	1,1178	27.	189.7	138,3	89,3	 	1,90	201,1
Datura stramonium L., Baku, Bota- nical Gardens, October 12, 1971	27,71	0,9218	1,5612	۳, و	185,4	128,5	79.5	0,18	1.32	8.505
D. tatula 1 Baku, Boranical Gardens, October 12, 1971	20,13	0,9228	1,552k	8. 9.	186,2	127.4	81,5	0,20	1,26	202,5