



ARC Groundnut Cultivar Evaluation Results (2020/2021)

Background

The national groundnut evaluation trials are executed every year. It is managed by the Grain Crops Groundnut Division at Potchefstroom. The trails are executed in collaboration with the groundnut industry. Genotypes from the ARC and the industry are entered into the trials. Trials are cultivated under dryland and irrigated conditions. Standard cultivation practises are applied to ensure uniformaty. Trials are harvested at 150 days agter planting.

Results

Income per ton kernels harvested was determined by the grading the specific genotype achieved. The income per hectare is indicated in the last column. Only the top six performers' data is shown. The values shown are determined by yield and do not represent profit.

Irrigation trials data

Locality	Genotype	Income / ton kernels	Income / hectare
Setlagolé	ARC Oleic	R 14 944	R 35 317
	Anel	R 14 345	R 33 937
	AkwaPlus	R 15 156	R 29 946
	PC 480-K14	R 14 221	R 29 667
	PC 474-K9	R 14 516	R 29 354
	PC 435-K6	R 14 350	R 28 389

Locality	Genotype	Income / ton kernels	Income / hectare hektaar
Bultfontein	SelliePlus	R 13 096	R 36 896
	1033	R 13 714	R 35 823
	PC 435-K4	R 13 480	R 32 287
	Anel	R 13 376	R 32 026
	AkwaPlus	R 13 565	R 31 170
	PC 474-K9	R 13 269	R 29 202

Locality	Genotype	Income / ton kernels	Income / hectare
Vaalwater	PC 480-K14	R 14 287	R 50 354
	SelliePlus	R 14 287	R 50 008
	Anel	R 14 438	R 48 689
	Kwarts	R 14 097	R 45 779

	PC 481-K3	R 14 438	R 44 196
	ARC 474-K9	R 13 625	R 42 395

Locality	Genotype	Income / ton kernels	Income / hectare
Vaalharts	ARC Opal	R 13 822	R 26 847
	ARC K6	R 13 627	R 25 922
	Anel	R 13 889	R 24 564
	Tufa	R 12 997	R 23 082
	GP 023	R 13 356	R 22 730
	ARC 474	R 13 417	R 19 989

Locality	Genotype	Income / ton kernels	Income / hectare
Douglas	PC 471-K19	R 13 059	R 76 134
	Anel	R 12 500	R 67 125
	GP 023	R 12 819	R 66 018
	Kwarts	R 13 215	R 64 225
	1033	R 12 869	R 61 128
	ARC 435-K6	R 12 150	R 47 507

Data from dryland trials

Locality	Genotype	Income / ton kernels	Income / hectare
Bothaville	PC 435-K2	R 14 928	R 40 302
	PC 474-K9	R 14 934	R 38 419
	AkwaPlus	R 15 039	R 37 355
	Tufa	R 14 561	R 33 686
	ARC K6	R 14 878	R 28 209
	Anel	R 15 087	R 15 087

Locality	Genotype	Income / ton kernels	Income / hectare
Hoopstad	1033	R 13 708	R 25 786
	SelliePlus	R 13 275	R 16 200
	PC 474-K9	R 13 633	R 16 041
	GP 023	R 13 354	R 15 609
	PC 472-K3	R 13 175	R 15 576
	PC 480-K14	R 13 507	R 15 439

Remarks

Variations amongst localities and genotypes are due to climatic conditions. The results of all the genotypes can be acquired from Dr W Snijman.

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