

ACLBC



African Cereal and Legume Breeding Consortium

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BIODATA OF SOYBEAN VARIETIES



AFRICAN CEREAL & LEGUME BREEDING CONSORTIUM (ACLBC)

KENYAN SOYBEAN VARIETY BIODATA

Variety	Nyala	Gazelle	DPSB 19	Black Hawk	DPSB 8
Hilum colour	Dark brown	Cream	Brown	Brown	Brown
Testa colour	Cream	Cream/yellow	Cream	Cream	Cream
Days to 50 % flowering	45-95	45-100	45-65	60-80	60-84
Flower colour	purple	purple	purple	purple	purple
Pubescence colour	Grey	Grey	Tawny	Tawny	Tawny
Plant height	Medium	Medium	Medium	Medium	Medium tall
Growth habit	determinate	Indeterminate	Indeterminate	determinate	Indeterminate
Days to maturity	medium	Medium late	Early to medium	Early- medium	Medium late
Yield t/ha	0.7-3.3	2.1-2.5	1.7-2.8	1- 1.8	0.9-3.0
100 Seed weight	19	17	15	14	16
Protein content (%)	37	37	40	36	38
Oil content (%)	18	22	17	18	18

Others Popular Soybean Varieties

Institution	IITA	IITA	IITA	IITA
Commodity (Crop)	Soybean	Soybean	Soybean	Soybean
Varieties	TGx 2001-11DM	TGx 1904-6F	TGx 1951-3F	TGx 1448-2E
Days to Heading		35-45 days	35-40 days	35-45 days
Maturity (early, medium, and late)	Medium (100-120 days)	110-115 days.	105-110 days.	110-115 days.
Soil type	All types	Sandy loam	Sandy loam	Sandy loam
Rainfed/Irrigated crop	Rainfed (main)/irrigated (off-season)	Rainfed (main)/irrigated	Rainfed (main)/irrigated	Rainfed (main)/irrigated
Agro-ecological zone and rainfall	All agro-ecologies	Guinea savana ecologies	Guinea savana/transitional forest ecologies	All agro-ecologies-general adaptation

Growth habit (IND/DET)	Indeterminate	Determinate with vining top	Determinate	Determinate
Flower color (P = Purple; W = White)	Purple	Pink	Pink	Pink
Yield potential	3-4t/ha	2.5 tons/ha	2.5 tons/ha	2.5 tons/ha
Pubescence color	Gray	Silver	Brown	Silver
Pod color (BR = Brown; TN = Tan)	Gray	Light cream.	Brown	Brown
Hilum color	Yellow	light cream	Cream	Cream
Plant height (tall, medium and short)	Medium-Tall	Medium	Medium	Medium
Unique traits (eg. high protein, high oil, others)	Protein: 38-40%; Oil: 15-19%	Protein= 47% , Oil = 22.0%.	Protein= 49% , Oil = 22.0%.	Protein= 48.8%, Oil = 21.8%
Seed size range (large, medium and small)	Medium-Large	Medium	Medium	Medium
Nutritional value	Unique traits Protein: 38-40%; Oil: 15-19%	Protein= 47% , Oil = 22.0%.	Protein= 49% , Oil = 22.0%.	Protein= 48.8%, Oil = 21.8%
Resistance to Disease		Resistance to Rust	Resistance to Rust	Susceptible to Rust
Resistance to Pests		Highly resistant to insect Pests	Highly resistant to insect Pests	Highly resistant to insect Pests
Stress Tolerance		Shattering resistant	Shattering resistant	Shattering resistant
Other key characteristics		High pod clearance	Medium pod clearance	Low pod clearance
Other key characteristics		Erect morphology.	Erect morphology.	Erect morphology.
Other key characteristics		Good seed storability	Good seed storability	Good seed storability