

GREEM GRAM



Variety N26

Agro ecological zone;	marginal
Altitude;	below 1900M asl
Spacing;	45cm x 15cm
Maturity;	100 days
Seed/grain colour;	shiny green
Yield;	1000-1200 kg/ha (seed)

Remarks; variety developed for dry land and marginal areas, early maturity, intolerant to water logging.

GREEN GRAM PRODUCTION

GRAMS (*Vigna radiata*)

GREEN *Vigna aureus* Taller and more erect; seed – small, round green

BLACK *Vigna Mungo* Seed black, quite big, oblong, dark

INTRODUCTION

Grams are subsistence pulse crops grown in various part of East Africa.

Grams are annual leguminous crops grown for their seeds which are cooked together with maize, bananas, rice or eaten with ugali.

Grams do well in marginal rainfall areas and play an important role as relay crop and short rain crop.

Grams could be green, black or yellow in colour. The green grams are the most commonly grown in Kenya.

CLIMATE RANGE

Altitude

Altitude 0 - 1600m a s l under warm climatic conditions.

Rainfall

Optimum 650mm. Heavy rainfall and cool temperatures result in increased vegetative growth with reduced pod setting and development.

Soil

Suitable for most types of soils especially on fertile red loam soil but grow reasonably well unexhausted sandy soil.

GRAMS VARIETIES AND THEIR CHARACTERISTICS

Variety	Maturity (days)	Potential Bags / Ha	Remarks
KUR 22	80-90	11-14	-Seed colour golden yellow, Tolerant to aphids, Resistant to yellow mosaic performs poorly due to its late maturity
N26 (Nylon)	60-65	14-17	-Light (Nylon) green in colour It performs well in drier areas due to its earliness in maturity.

SEED RATE

4-6 kg / acre

SPACING 45cm x 15 cm

Depth 4-5cm

Maturity 2-3 months

HARVESTING

Done when 95% of the pods have turned black

PEST AND DISEASES

Some insect pests of economic importance include:

Thrips, aphids, pod sucking bugs, white flies, bean fly, caterpillars

CONTROL

Remove / Rogue volunteer crops

Dress seed

Spray with appropriate pesticides

DISEASES

Some fungal diseases also attack grams. They include, Powdery mildew, rust, bacterial blight, mosaic virus

CONTROL Plant certified seed, rogue out virus infected plants, spray appropriate pesticides.

STORAGE

Grams must be dry before storage. They are very susceptible to weevil attack and are best stored immediately in air tight tins and drums or stored in bags of 50kg.

1. Dust with super actellic at 50gm per one 90kg bag.
2. Use of neem leaves

YIELD POTENTIAL

3 - 4 bags of 90kg / acre

For further information contact:

DRYLAND SEED LTD

P.O. BOX 1438 – 90100

MACHAKOS.

Tel.044-21449

0722829287

COMPILED BY PETER MUTUA, MILCAH MUTISYA AND NGILA KIMOTHO

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