

ROYAL TIMES

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NEW LABORATORY

For us in the Seed industry, testing & analysis of Seeds is a very crucial and important part.

We at Royal Seed, care about our farmers & want them to purchase Quality Seeds. We love to be a step ahead with the latest technological advances in agriculture, hence we have decided to build our very own **TEST ANALYSIS LABORATORY** on our premises.



The Laboratory will contain;

1. In-house Germination test analysis.
2. Dark room chambers- for high value product
Germination tests
3. Water test analysis
4. Soil test analysis- Nutrient content
both Micro/Macro, Alkalinity & Acidity test



A FOOTBALL JOKE!



At a local derby between **Arsenal and Spurs** last season, a spectator suddenly found himself in the thick of dozens of flying bottles. cont.....

"There's nothing to worry about, lad," said the elderly chap standing next to him... "It's like the bombs during the war. You won't get hit unless the bottle's got your name on it."

"That's just what I'm worried 😞 about...," said the fan, "...my name's **Johnny Walker.**"



ALL ABOUT PAPAYA

• PAPAYA VARIETIES

Papaya is an important tropical fruit crop consumed fresh and used in the pharmaceutical and food industries. It's semi-woody, single stemmed widely distributed in sub-tropical climates of Kenyan ecology.

Papaya crop is short-lived, perennial in growth habit, expressing high phenotype plasticity in regard to large palmate leaves, hollow stems, petiole and fruits. Papaya is a climacteric fruit that is produced continuously during it's life and widely commercialised.

Royal Seed takes pride in having four papaya varieties that suite this Kenyan ecology and expresses great preference in both local and foreign markets. The suitability is based in **ecological adaptation, disease tolerance, phenotype market sizes, internal colours and flavour** as well as pleasant mouth feel and texture.

Our Royal Seed varieties are;



1. VEGA F1

The climacteric fruit is **tolerant to papaya ring spot virus** and weight between **1 - 1.2kgs**. It's **semi dwarf growth** habit and **red flesh with a 14% sugar brix content** gives it consumer preference in the Kenyan market. It matures in **9 months**.



2. RED ROYALE F1

It is a **medium-sized firm fruit (1.7 - 2.3 kgs)** with **sweet red thick flesh**. It **exhibits dwarf growth habit** with thick stems and excellent fruit setting ability. It's **first harvest is expected in 8 - 9 months** after the date of transplanting. It's **tolerant to papaya ring spot virus**.



**LAL PARI
F1**

3. LAL-PARI F1

The **hybrid papaya** is known for its **very high fruit setting ability with upto 50 fruits per season**. Its internal flesh is deep red with a **fruit weighing between 1.5 - 2kgs**. Lal pari F1 **matures in 8 - 9 months** after the date of transplanting. It is **tolerant to papaya ring spot virus**.



**SINTA
F1**

4. SINTA F1

It is a **medium-sized firm fruit (1.7 - 2.3 kgs)** with sweet red thick flesh. It **exhibits dwarf growth habit** with thick stems and excellent fruit setting ability. Its **first harvest is expected in 8 - 9 months** after the date of transplanting. It's **tolerant to papaya ring spot virus**.

- **Papaya Soil Nutrition.**

The high photosynthetic rates, carbon gain and reproductive outputs of our varieties occur at the expense of high water and nutrients demand.

At transplanting stage of papaya, it's recommended to adopt a standard concentration of nitrogen, phosphorus and potassium fertiliser in rates of 60 - 100 g per stool dependent on soil fertiliser analysis. In addition, well decomposed manure mixed with humid top soil is important in maintenance of soil structure, moisture retention and existence of hemorrhagic fungi.

Nitrogen uptake increases progressively as the plants increases biomass accumulation and active fruit setting. This is highly influenced by nutrient sources and sinks, a phenomenal that is facilitated when a papaya fruit is harvested carrying away with it, nutrients from the mother papaya plant. This requires frequent replenishment dependent on harvesting intervals.

- **Papaya Spacing and Intercropping.**

In regard to maximum land utilization, papaya can be **spaced in 2m (intra row) by 3m (inter row) and a depth of 0.5m to 1m** depending on soil type. Well drained fertile sandy loam soils with potential hydrogen rates of 6 - 8 are recommended.

Papaya can be **inter cropped while young** with crops of different families like **leafy vegetables** such as **Fordhook Giant-spinach and Southern Georgian or Hybrid Collards**. Factors to consider while selecting an inter crop should be guided by leaf area index, crop canopy induces and height as well as potential inoculate host crops.

Papaya bulletin!!

Did you know PAPAİN, an extract from PAPA YA is used as a Meat Tenderiser?



CUCUMBER GS-18 415 F1



The premium **Cucumber** suitable for **both greenhouse and open field variety** that you've all been waiting for is finally out in the market!

The variety prides itself on being an **early maturing variety, producing long slender dark green fruits weighing in about 230-240 gms per fruit.** It is parthenogenesis in nature which means pollination is not required for its fruit setting.

Crop establishment can be done through;

- **Direct sowing of seeds at a shallow depth**
- **Raising seedlings in a nursery for 3 weeks and transplant them at a recommended spacing of 60 cm*45 cm.**

Cucumber GS-18 415 F1, has a superior disease package which encompass tolerances to **Downey Mildew (Pc), Cucumber Mosaic Virus (CMV) and Powdery Mildew (Ec)** - important diseases in Cucumber farming in Kenya.

Its **long slender dark green fruits** are **highly marketable due to their firmness**, hence adapting well to long distance transportation and shelf life.

Recommended transplanting depth for Cucumber GS-18 415 F1 Seedlings.



With the rising health awareness campaigns aiming at improving people's lifestyles, **Cucumber GS-18 415 F1** super fruits pack in them a lot of health benefits once consumed. Among them being a good source of **essential vitamins, help in hydrating the body, diabetes treatment, cardiovascular health and prevention of some cancers** due to an organic compound called **Cucurbitacin** found in cucumber.

Mature Cucumber GS-18 415 F1 fruit with a perfect dark green colour.



Cucumbers are ready for **harvest about 50-60 days after sowing depending on ecological conditions** especially temperature. The fruits are harvested at a slightly immature stage before the seeds harden by cutting them off the vine using a sharp knife or secateurs.

Pulling them may damage the vine by causing wounds and predisposing the plant to bacterial and fungal infections.

Double yielding trait under good crop husbandry practices.



Within Kenya, the common market quality traits are majorly centred around fruit size and shape, firmness and dark green skin colour. Absence of yellowing is also an important quality factor. Yellowing of fruits is brought about by harvesting at a late stage of development or too high temperatures during storage.

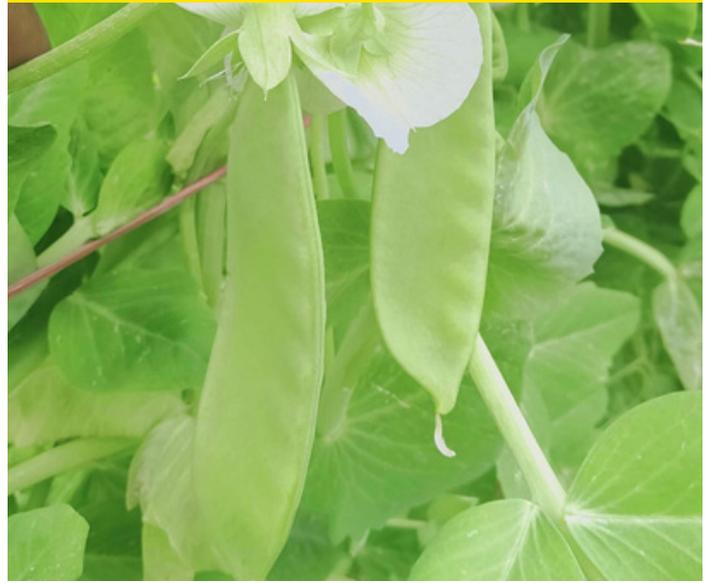
Cucumber GS-18 415 F1 is now in stock! with affordable pack sizes of; **100seeds | 500seeds and 1000seeds.**



DID YOU KNOW... Leaving CUTE-CUMBER fruits too long on the vine makes them susceptible to yellowing, getting tough skins and lower plant productivity.?

DO YOU KNOW FACT OF SWEET HORIZON?

Introducing Sweet Horizon to Small and Medium Scale Growers.



Sweet Horizon is a **high yielding variety** of **mangetout pea** from Kenya Highland Seed Co. that is **suitable for both Outdoor and Tunnels production.**

With **heat tolerance properties**, it is suitable for growing in **Mid to High Altitude areas**, with most growers opting to grow the variety during **hot seasons** since it's the only variety that can **attain higher yield** under such conditions.

The variety has a longer **harvesting period of up-to 8 weeks** resulting to a higher **yield; 4-6 tons per acre** which is subject to management practices.

Disease tolerance: Highly Tolerant to **Powdery and downy Mildews, Black spot and Ascochyta leaf and pod spot** thus lowering the cost of production.

SPICY EGGPLANT STIR FRY RECIPE



Ingredients;

- 2 eggplants **Long Purple** or the **Black Beauty** sliced into serving pieces
- 8 French beans **Moonstone**
- 1 head garlic minced
- 1 Onion **Red Creole** minced
- 12 **Long Cayenne** chilli peppers
- 3 tablespoons cooking oil

Sauce Ingredients;

- 2 tablespoons brown sugar
- 3 tablespoons soy sauce
- 1 tablespoon white vinegar
- 2 tablespoons oyster sauce
- 2 teaspoons sesame oil
- 1/4 cup water
- 2 teaspoons cornstarch

Grow your
own
Veggies!



PREPARATION;

1. Brush the **eggplants** with oil. Pan fry until it softens. Remove from the pan and set aside.
2. Combine all the sauce ingredients in a bowl. Mix well. Set aside.
3. Heat the remaining oil in a pan. Sauté the garlic, **onion**, and **chili pepper**.
4. Add the **French beans** once the onion softens. Stir fry for 1 minute.
5. Pour the sauce into the pan. Cook while stirring until it thickens.
6. Add the **fried eggplant**. Continue stir-frying until the **French beans** get cooked completely.
7. Transfer to a serving plate.

Serve with rice. Share and enjoy!

WE ARE HERE FOR YOU;



0725 549 997 | 0734 425 635
0793 248 085 | 0793 248 086



0780 884 087



0800 720 250



marketing@khs.co.ke



www.royalseed.biz



PAYBILL 320 350

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