

# Hawaiian Brown + Dark Brownstripe.

3/1/65 Made up 14 more pots from 4 + 5 gallon tins.  
Picked out all beans with these markings from both Stowell  
and Magdalen, about 40, and started soaking.

6/1 No sprouts yet.

8/1 Few sprouts.

9/1 Planted 12 sprouts in each of 3 pots.

11/1 " 7 last sprouts

13/1 Few just above surface

17/1 Several above surface. Few have leaves

1/2 about 15 plants growing

21/2 Plants 6" to 2 feet high. Few plants have runners. Some  
white + yellow flowers.

14/3 Plants up to 5 feet high. Pods with faint red streaks.

31/3 All pods show considerable red markings. Some are crimson  
streaks on green pod. Others solid pink pods.

12/4 Took fotos of two pods on same pole but different plants.  
One pod is yellow with red stripes and rather mature. Other pod is  
nearly solid pink on light grey background.

25/4 Took fotos of solid red pod; and pod with red stripes on light  
grey-green background. This plant still growing.

4/5 Few vines still have green leaves

9/6 Took one foto of two pods. One is immature green with red specks.  
Other is larger, mature grey with red streaks

24/6 Harvested 90%

28/6 Took foto of one pure pink pod.

9/9/66 Harvested last 6 pods. Most plants have died. However  
two plants have new green leaves.

(over)

Most of these reproduced true. The dried pods are tan with faint to appreciable purple patches. These are from pink pods. The beans inside are Brown + Dark Brown.

A few pods reverted. These dried pods are pure tan. They came from green pods. The beans inside are pure brown. The vines were lighter green. It seems probable that these beans are result of an error in seed. Actually a few pure brown seeds may have gotten into lot marked Brown + Dark Brown. It will be noticed some of beans are nearly solid Dark Brown. These are probably also pure brown seed of darker color. Both should be deleted on a future planting.

30/12/65 Organized all pots into three rows of seven pots each in glass house.

## Hawaiian Pure Black

30/12/65 Sorted the best 120 pure black beans from crops at Stowell 1964/5. Made ten pots from 4 gallon cans. Placed 12 beans in a triangle in each pot. Soaked pots well. Beans not soaked.

2/1/66 Put about 50 more beans soaking in blotting paper.

3/1 Started all the rest of pure black beans soaking, both from Stowell + Magdalen. Will grow largest possible crop.

6/1 Beans planted 30/12; 2 have leaves, 8 have reached surface. Perhaps the overheating of 2/1 had a bad effect. Quite a lot of beans soaking on 2/1 and a few soaking 3/1 have sprouted. Planted 9 sprouts in form of triangle in each of eight pots. Also planted three special black with grey stripes in a small square plastic pot.

9/1 Some of sprouts planted on 6/1 have reached surface. Planted four more pots of 12 sprouts each. Dug up a lot of beans planted 30/12. Most had rotted. Probably the overheating of 2/1 killed the germ cell when wet. Planted sprouts in vacant pots. 12 in each of 2 pots. 11 in each of five pots. Total 79 sprouts as replacements.

11/1 Planted 9 more sprouts

13/1 Some planted on 9/1 have reached surface. The black sticky clay type soil taken from flower bed along edge of parking lot is poor stuff. It makes beans rot. The sandy soil from pile under tree is much better.

17/1 Quite a lot of plants doing well with leaves. Found four freaks with three primary leaves. Took photos.

21/2 About 30 plants have runners 2 to 6 feet high. Many violet flowers. Few pods up to 1" long. Some plants have yellow + white flowers.

14/4 Lot of pods of many different types. Couple with red markings.

9/5 Most plants finished. Few still have some green leaves.

9/6 Took one photo of pod, yellow with red stripes. (over)



24/6 Harvested 95%

5/7 Took foto of two purple pods.

9/9/66 Harvested last 8 pods. Most of plants have died. However about 10 plants have new green leaves. One has a purple flower. Another has two flowers, a white one and a yellow one.

# Hawaiian Tan & Maroon (Brown)

- 24/12/65 Started soaking 33 from Stowell 1964/5 plus 11 from Magdalen 1964/5 = 44 total.
- 27/12/65 Four have small shoots coming out, Planted 22 each in two - 4 gallon square cans. This very high density is used because of very low probable fertility.
- 28/12/65 Planted 11 more of group IV plus the 11 small beans from pure black seed = 22 beans in a 4 gallon square tin. No soaking
- 3/1/66 Four beans have sprouted of those planted 27/12/65
- 6/1 Nine of those planted on 27/12 have leaves; 4 have reached its surface. 9 of those planted 28/12 have reached the surface.
- 11/1 Over a dozen plants have leaves. One freak has three primary leaves equally spaced.
- 13/1 Took 2 fotos of freak and 1 foto of standard plant.
- 17/1 Lot of plants growing.
- 1/2 Several sending up runners.
- 7/2 Two plants have flowers. These are pure white & pure yellow on same inflorescence.
- 21/2 about 10 plants have runners 1 to 5 feet high. Many flowers. Some pods  $\frac{1}{2}$ " to 2" long. The reversed vines have many more pods.
- 14/3 One pod was yellow like butter bean & has now dried.
- 16/3 Beans inside like those planted. As more generations are bred, the pods lose crimson stripes and become more yellow.
- 14/4 Plants mature and dry. All pods withered and dry.
- 25/4 One plant has three new green pods near bottom.
- 9/5 all plants finished. No green leaves, Pods dried & withered.
- 24/6 Harvested all but one pod.
- 28/6 Harvested last pod.

(over)

Most of these reproduced true. The dried pods are  
clear tan. Beans are tan & maroon.

A few pods reverted to standard Hawaiian. The dried  
pods are tan with thick dark purple, nearly black streaks.  
Streaks cover about half surface of pod. The beans  
inside are standard Hawaiian tan with black stripes.

## Hawaiian Black with Grey stripes

- 2/1/66 Started those soaking  
6/1 all have sprouted. Planted in square plastic pot,  
20/1 One small plant with deformed leaves. One very weak  
sprout just at surface.  
1/2 One plant only. It has few secondary leaves.  
9/2 Transplanted it to a four gallon pot. It is  
about 4" high now.  
21/2 Plant now 7" high. Has a dozen leaves and what appears to  
be start of small runner. Lower leaves in poor condition, drying.  
6/3 Runner 15" high. Put on sticks. Four small flower buds.  
14/3 Runner 2½ ft high. White flowers, small pods.  
16/3 New larger pole, going good.  
31/3 Runner about 4 feet high. Several pods.  
14/4 Runner stopped growing. Pods filling out. All green still  
25/4 Pods turning to yellow light green with faint short red markings.  
Took photo of side of vine and two of pods.  
9/5 Vines finished. all green leaves gone. Pods dried + withered

## 24/6 Harvested all

These plants had green pods with irregular faint red stripes.  
When dry they are light tan with faint purple discolorations.  
The beans come out Tan with Maroon (Brown) stripes.  
Probably this is the base stock out of Pure Black beans from  
which Tan + Maroon develop.



# Hawaiian Pure White

- 17/1/66 Started about 20 beans soaking  
20/1/66 Few have small sprouts  
21/1/66 Planted two pots of 15 sprouts each.  
1/2 about 20 plants growing  
2/2 Vines now 4" to 8" high. Only one plant has runner.  
6/3 Many runners up to 2 feet high  
14/3 Runners up to 4 feet white flowers & yellow flowers, some pods  
14/4 Quite a lot of pods, all green or maturing  
9/5 Few vines still have green leaves.  
29/6 Harvested all

These plants had <sup>pure</sup> green pods which dried out light tan  
all beans pure white. The stock breeds true