

TO: Troika

FROM: Jack Beam, Farm Manager

DATE: July 11, 1978

REPORT ON PLANTING SCHEDULES, ACREAGES & YIELDS

The past week has been spent in reorganization of the Agricultural Department. We have set up a schematic for each area that we are responsible for, including job descriptions which outline the area and responsibilities that each job classification entails. We have also been involved in setting up projections, and in this report we are including a two year production schedule; anticipated harvests; proposed planting schedule for last half of 1978; rotational planting schedules for field crops, also done on a per field basis. Our goal is to become self sufficient or as nearly self sufficient as possible, at the earliest time.

On Sunday July 9 we had a meeting of all farm crew supervisors in which we discussed the farm organizational makeup, job requirements emphasizing reporting responsibilities of supervisors. There has been a great deal of effort put forth in attempting to get the farm into efficient operation. We feel that by delegating responsibilities each worker will know what is expected from him or her, and hopefully will work in accordance with expectations.

By Monday July 17 we will be able to start implementation of the organizational structure that we have set up, and are assured that out of this new system will come a more productive farm.

Jack Beam
Jack Beam, Farm Manager

jb:ck

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TWO YEAR PRODUCTION SCHEDULE, 7/78 - 6/80

The inclusion of an added 100 acres into the 1978-1979 projection would only allow the farm to continue on the same level of production because it would allow the rotation into a fallow period of one year in three, to keep our acreage productive.

Therefore if we wish to increase our agricultural production we will have to increase our acreage in excess of 100 acres. To some extent we hope that this conclusion will be offset by increased production of the existing acreage using intensive methods, but these have not yet been proven. Therefore the only conclusion we can come to at this time is that we need 100 additional acres, and would prefer to delay any additional conclusions or projections for six months, till we have more documented experience.

Basically, the amount of land now being farmed plus the added 100 acres is sufficient for our own sustenance, but is not sufficient to support a large animal population nor for substantial commercial sales. If we wish to get into these areas we will have to clear a great deal more land.

There are about 120 acres uncleared below the piggery, plus about 50 acres around the central area. Clearly these should be cleared this year.

PP-8-a-2

ANTICIPATED HARVEST 7/15 - 1/15*

Bananas-----21,600 lbs.
 Local fruit-----500 lbs.
 Blackeye beans-----4,000 lbs.
 Black beans-----11,000 lbs.
 Mung-----500 lbs.
 Rice-----6,000 lbs.
 B. Cassava-----132,000 lbs.
 S. Cassava-----9,000 lbs.
 Eddoes-----26,000 lbs.
 Sweet Potatoes-----25,000 lbs.
 Peanuts-----12,000 lbs.
 Pineapple-----88,000 lbs.
 Citrus-----1,000 Lbs.
 Garden-----will report later

USAGES:

Provisions-----500 lb/meal-----120 meals
 Beans-----250 lb/meal-----60 meals
 Rice-----200 lb/meal-----30 meals
 Cassava-----176 meals
 Cereal from Cassava 1/3lb per person (1500 people)

For 182 days this could serve:

1. Cassava cereal-----176 days
2. Beans-----every third day
3. Provisions-----2 out of 3 days
4. Our own rice-----once a week

*This schedule assumes "idealized" conditions in that it does not take into account equipment break downs, excess rain, etc.

ESTIMATED FARM PRODUCTION INCLUDING
 PROPOSED PLANTING SCHEDULE FOR LAST HALF OF 1978
 (ACRES DEVOTED TO SPECIFIC CROPS WEIGHTED FOR INTERPLANTING)

Bananas (including winrow plantings)---82.0 acres
 Garden-----17.0 acres
 Coffee (liberica)-----6.0 acres
 Eddoes (including winrow plantings)---25.0 acres
 Local Fruit-----15.0 acres
 Cassava (bitter)-----49.0 acres
 Star leaf-----5.0 acres
 Cutlass beans-----2.0 acres
 Blackeye-----10.0 acres
 Cassava (sweet)-----8.0 acres
 Black rock-----13.0 acres
 Mung-----4.0 acres
 Black bean-----10.0 acres
 Rice-----10.0 acres
 Peanuts-----20.0 acres
 Pineapple-----28.0 acres
 TOTAL 304 acres

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(over)

We'll have to put what we'll actually harvest meql wise this year.

PP-8-1-4

ROTATIONAL PLANTING SCHEDULES FOR FIELD CROPS
FOR THE YEAR
7/78 to 6/79

<u>Field 3</u> (18.5 A)	Planted in mixed local fruit & cutlass beans. Aug.-Sept. plow beans & interplant with cassava.
<u>Field 6</u> (10 A)	Blackeye planting from 7/15 through 9/1, harvest 9/25 through 11/10 (we can improve this by reaping sooner and storing), so assuming reaping ends 10/15, then into cassava.
<u>Field 7</u> (15 A)	Special schedule
<u>Field 10</u> (5.5 A)	Sweet Cassava, 7/15 - 8/15 then residential
<u>Field 11</u> (9.3 A)	Now in eddoes, add bananas, becomes a permanent field, July & Aug.
<u>Field 12</u> (3.3 A)	Harvest peanuts in early August, plant papaya
<u>Field 13</u> (5 A)	Star leaf to be harvested October, Nov., plant in Mung to harvest in May, June
<u>Field 14</u> (15 A)	Plant cassava and interplant black bean, the beans to come off in Oct., the cassava in July 1979
<u>Field 15</u> (9 A)	New Garden - as soon as dry, schedule to be added
<u>Field 17</u> (6 A)	Now in bananas, plant black beans then cassava
<u>Field 18</u> (4 A)	Rice should be reaped by end of August. Plant mung. Comes off end of February. Sweet cassava to be planted (material from field 10)
<u>Field 19</u> (10 A)	Beans should come off by 7/20, then plant rice (if too dry...?)
<u>Field "X"</u> (13 A)	Beans to come off by August 1, then plant black rock...to be harvested Amer. Indian style to maintain the field till it goes commercial.
<u>Road</u> (43 A)	Far end will have peanuts after cassava is reaped, followed by cassava. Near end will have pineapple between the citrus, as a permanent crop.
<u>Winrows</u> (34 A)	Finish planting in Apple banana, and interplant with eddoes, During July-Aug. to make a permanent planting.
<u>cot to com</u> (5 A)	Local fruit, apple banana, cassava for a permanent field
<u>new land</u> (50 A)	If wet, plant rice. If dry, plant cassava interplanted with bean This projection assumes that the acreage will be cleared and prepared for planting. Does not include piggery acreage.

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rotational planting schedules for

PP-8-11-6

PROPOSED PLANTING SCHEDULE FOR
LAST HALF OF 1978*
(on a per field basis)

FIELD NO.	No. ACRES	DATE	CROPS
1. West Garden	4.5 acres		garden
2.	2.5 acres		permanent coffee, bananas, eddoes
3.	8.5 acres		local fruit, <u>interplant with cassava (eq 4A)</u>
4.			<u>local fruit, banana nursery etc</u>
5.	4.8 acres		bananas, interplanted w/outlass and eddoes
6.	10 acres		<u>blackeye, as available</u>
7. & 8.	15.0 acres		<u>intensive (to come)</u>
9.	2.5 acres		coffee, bananas, cassava
10. East Garden	5.5 acres		<u>sweet cassava</u>
11.	9.3 acres		<u>eddoes, fill in eddoes and interplant bananas</u>
12.	3.3 acres		<u>CASSAVA</u>
13.	5.0 acres		star leaf sweet potatoe, harvest in Nov. plant mung
14.	15.0 acres		<u>cassava, interplant black beans</u>
15.	9.0 acres		<u>new garden</u>
16.	2.0 acres		herbal garden
17.	8.0 acres		bananas, <u>interplant cassava</u>
18.	4.0 acres		<u>mung beans, next plant s. cassava</u>
19.	10.0 acres		<u>rice</u>
"X"	13.0 acres		<u>black rock sweet potatoes</u>
"Road"	43.0 acres		<u>far end peanuts followed by CASSAVA</u>
"Windrows"	34.0 acres		bananas - <u>interplant eddoes</u>
"New land"			<u>cassava, interplant w/beans</u>
"Cottage to ind"	est. 5 acres		<u>local fruit, apple banana CASSAVA</u>

*Underlined items represent new plantings to be done in last half of 1978.
Items not underlined are plantings carried over from a prior period.

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SCHEDULE OF ACREAGE UTILIZATION
 AS OF JULY 1, 1978
 (THIS SHOWS THE STATUS OF THE FARM ON THAT DATE)

AVAILABLE ACREAGE

7/78 314 acres (including roadway, windrows, etc. but not pasture)
 1/79 acres (projected)

UTILIZATION AS OF 7/78 (including windrows and intercropping)

1. Cassava 46 acres
2. Citrus 19 acres (13 acres on the road, interplanted, rest in cottages, etc.)
3. Fruit 12 acres
4. Coffee 6 acres
5. s. potatoe 10 acres
6. Blk. bean 23 acres
7. Eddoes 13 acres
8. Banana 6.8 acres
9. Peanuts 7.5 acres
10. Blk eyes 10 acres

UTILIZATION BY FIELD AS OF 7/8

		AVAILABLE
1. West Garden	*7.0 acres	7/1/79
2. Bananas	2.5 acres (interplanted with coffee and eddoes)	perm.
3. Local fruits	8.5 acres (planted in old cutless bean field)	perm.
4. Nursery	4.0 acres (planted in local fruits and banana nursery)	perm.
5. Banana	4.8 acres (interplanted with cutlass beans, eddios)	perm.
6. Swt. potatoes	10. acres (rotation blackeye)	8/1
7. Cutlass bean	15. acres (beans to turn in, for intensive ag)	7/15
8. Combines with	7 above.	
9. Coffee	2.5 acres (combined with bananas, pawpaw -cassava)	
10. East Garden	*5.0 acres	*****
11. Eddoes	9.3 acres (volunteer)	7/15
12. Peanuts	3.33 acres (also 1 acre of mung bean)	8/5 (or soon)
13. Star leaf	5. acres	1/79
14. Fallow	15. acres	7/15
15. New Garden	9. acres (some eddoes in "old field 14" about 5 A)	perm.
16. Cutless bean	2 acres (herbal garden site)	?
17. Bananas	8 acres (some potatoe interplanted, pineapples in 17b)	perm.
18. Rice - Blk beans	acres	7/15 (1/2) 9/

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18.(continued)

"x" blk beans	13	acres	7/15
Road cassava	43	acres (excluding the bananas on the first mile)	9/1 -12/1
part cleared	170	acres (25 50 in central area, 120 behind piggery)	

* estimates

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AVAILABLE CASSAVA PLANTING MATERIAL FROM 7/15/78 THRU 6/30/79

	<u>ACREAGE</u>	<u>DATE</u>	
SWEET CASSAVA	4 acres	Nov. 78	
BITTER CASSAVA	25 acres	July 78	L $\frac{1}{2}$
	1 acres (hold for Oct)	Sept. 78	I $\frac{1}{2}$
	27 acres	Oct. 78	I $\frac{1}{2}$
	10 acres	Oct. 78	L $\frac{1}{2}$
	6 acres	Nov. 78	I $\frac{1}{2}$
	5 acres	Nov. 78	L $\frac{1}{2}$
	6 acres	Dec. 78	I $\frac{1}{2}$
	1 acres	Jan. 79	I $\frac{1}{2}$
	<u>3.5 acres</u>	Mar. 79	I $\frac{1}{2}$
	TOTAL B	84.5	

PROPOSED BITTER CASSAVA PLANTING SCHEDULE

<u>BITTER</u>	<u>NO. ACRES</u>	<u>FIELD</u>
Last half July, 78	20 acres	14 "cot to com"
First half Aug. 78	3.3 acres	12
Last half Aug. 78		
First half Sept. 78		
Last half Sept. 78		
First half Oct. 78	30 acres	new land
Last half Oct. 78	8 acres	17
First half Nov. 78	10 acres	6
xxxxxxx	12.5 acres	
Last half of Nov 78	.5 acres	
First half Jan. 79	13.5 acres	
Last half Jan. 79	5.0 acres	
Second half Feb 79	7.5 acres	
Last half March 79	3.5 acres	

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