

# HARBEST AGRIBUSINESS CORPORATION

No. 5 Rosemarie Lane, Barangay Kapitolyo, Pasig City, Metro Manila

Tel. No. 671-7411 to 14

## PLANTING GUIDE, COST AND RETURN ANALYSIS

PER 1000 SQ. METER



	<b>Crop</b>	<b>Sweet corn</b>	<b>W. melon</b>	<b>Seedless</b>	<b>Honeydew</b>	<b>Squash</b>	<b>Ampalaya</b>	<b>Cucumber</b>	<b>Eggplant</b>	<b>Tomato</b>	<b>Hot pepper</b>	<b>Bell pepper</b>	<b>Okra</b>	<b>Papaya</b>
	<b>maturity period</b>	75-80 DAS	65-70 DAT	65-70 DAT	60-65 DAT	40-45 DAT	40-45 DAT	35-40 DAT	50-60 DAT	55-60 DAT	55-60 DAT	55-60 DAT	40-45 DAT	6-7 MAT
<b>total</b>	size of area	20 x 50 m	20 x 50 m	20 x 50 m	20 x 50 m	20 x 50 m	20 x 50 m	20 x 50 m	20 x 50 m	20 x 50 m	20 x 50 m	20 x 50 m	20 x 50 m	20X50m
<b>area</b>	linear meter of bed	xxx	300 m	300m	500m	300m	300m	660m	650m	650m	650m	650m	650m	400m
	no. of bed	25 furrows	6	6	10	6	6	13	13	13	13	13	13	20
	size of bed	xxx	6x.5x50 m	6x.5x50 m	5x 0.5x50m	6x6mx50m	6x0.6x10m	1x5x50m	1x5x50m	1x5x50m	1x5x50m	1x5x50m	1x5x50m	1x1x20m
	planting distance	80x30 cm	1 m x 6.5 m	1 m x 6 m	0.8 m x 4 m	1 m x 6 m	1 m x 6 m	70cmx70cm	50cmx70cm	50cmx70cm	50cmx70cm	50cmx70cm	50cmx70cm	2.5x2.5m
	plant pop./bed	166/furrows	60	60	62	50	50	242	142	142	142	142	142	8
	total population	4166 plants	300 plants	300 plants	300 plants	300	300	1846	1846	1846	1846	1846	1846	160
<b>seed</b>	seed quantity	1pk x 500 g	2 pk x 10g	3 pks 10g	2 pks x 10g	5 pks x 10g	7 pks x 10 g	6 pks x 10 g	1 pk x 10 g	2 pk x 10 g	2 pks x 5 g	2 pks x 10 g	16 pks. X 10 g	1pk x 5g
	no. of seed/ pack	3600	240	120	220	70	50	320	3000	1200	1500	1200	150	350
	seed rate	500gm	20 gm	30 g	20 gm	50g	70g	60g	10 g	20g	20g	20g	160g	5g
	germination rate	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%
	price per pack	750.00	110.00	910.00	1,530.00	230.00	240.00	330.00	275.00	200.00	350.00	910.00	90.00	1,750.00
	total amount	1,500.00	220.00	2,730.00	3,060.00	1,150.00	1,680.00	1,980.00	275.00	400.00	700.00	1,820.00	1,440.00	1,750.00
	seedling tray	xxx	4 pcs.	4 pcs.	8 pcs	4 pcs	4 pcs	18 pcs	20pcs	20pcs	20 pcs	20 pcs	20 pcs	8 pcs.
40/pc	size (no.of hole)	xxx	104 holes	104 holes	104 holes	104 holes	104 holes	104 holes	104 holes	104 holes	104 holes	104 holes	104 holes	35 holes
400/60li	growell medium	xxx	20 liters	20 liters	20 liters	20 liters	20 liters	80 liters	120 liters	120 liters	120 liters	120 liters	120 liters	60 liters
2,150/rl	mulching film	xxx	1 roll	1 roll	2 rolls	1 rl	1 rl	2 rls	2 rls	2 rls	2 rls	2 rls	2 rls	1 rl
780/rl	culture net	xxx	xxx	xxx	xxx	xxx	2 rolls	2rl	xxx	xxx		xxx	xxx	xxx
	insecticide/fung.	P1,200.00	P1,200.00	P1,200.00	P1,200.00	P1,200.00	P1,200.00	P1,500.00	P1,000.00	P1,200.00	P1,200.00	P1,200.00	P1,200.00	P,3000.00
500/set	fruitfly attractant	xxx	1	1	1	1	1	1	1	1	1	xxx	xxx	4 pcs.
<b>input</b>														
50/bag	chicken manure	20 bags	20 bags	20 bags	20 bags	20 bags	20 bags	20 bags	20 bags	20 bags	20 bags	20 bags	20 bags	20 bags
950/bag	complete(14-14-14)	20 kgs.	2 bags	2 bags	2 bags	2 bags	2 bags	2 bags	2 bags	2 bags	2 bags	2 bags	3 bags	2 bags
980/bag	urea 46-0-0	1 bag	1 bag	1 bag	1 bag	1 bag	1 bag	1 bag	1 bag	1 bag	1 bag	1 bag	2 bags	1 bag
950/bag	M. Potash 0-0-60	1 bag	1 bag	1 bag	1 bag								1 bag	1 bag
60/kg	boron	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	800 grams
50/kg	magnesium	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	800 grams
60/kg	calcium nitrate	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	800 grams
150/kg	foliar fertilizer	1 kg	1 kg.	1 kg.	1 kg.	1 kg.	1 kg.	1 kg.	1 kg.	1 kg.	1 kg.	1 kg.	1 kg.	1 kg.

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## PLANTING GUIDE, COST AND RETURN ANALYSIS

PER 1000 SQ. METER



Cont...

labor	land prep	no. of days	no. of days	no. of days	no. of days	no. of days	no. of days	no. of days	no. of days	no. of days	no. of days	no. of days	no. of days	no. of days
P170/day	1st plowing	3	3	3	3	3	3	3	3	3	3	3	3	3
do-	1st harrowing	3	3	3	3	3	3	3	3	3	3	3	3	3
do-	2nd harrowing	3	3	3	3	3	3	3	3	3	3	3	3	3
do-	seeding	2	2	1	1	1	1	1	1	1	1	1	1	1
do-	bed making	4 (furrows)	6	6	6	6	6	6	6	6	6	6	6	4
do-	manure applctn	1	2	2	2	2	2	2	2	2	2	2	2	2
do-	fertilizer applctn	2	2	2	2	2	2	2	2	2	2	2	2	2
do-	laying out mulch	xxx	2	2	2	2	2	2	2	2	2	2	2	2
do-	transplanting	xxx	2	2	2	2	2	2	2	2	2	2	2	2
do-	trellis preparation	xxx	xxx	xxx	xxx	10	10	5	10	5	5	xxx	xxx	xxx
do-	irrigation	xxx	10	10	10	10	10	10	10	10	10	10	2	2
do-	prunng,trimng,f.tning	1	4	4	4	4	4	4	4	4	4	4	2	2
do-	drenching fert.	xxx	2	2	4	4	4	4	4	4	4	4	2	2
do-	pest control	2	2	2	4	4	4	4	4	4	4	4	2	2
do-	fruit selection	2	2	2	4	4	4	xxx	xxx	xxx	xxx	xxx	xxx	2
do-	harvesting	8	10	10	10	10	10	10	10	10	10	10	10	10
<b>yield</b>	plant population	4166 plants	300 plants	300 plants	620 plants	300 plants	300 plants	1846 plants	1846 plants	1846 plants	1846 plants	1846 plants	1846 plants	160 plants
	10% mortality	3,750 plants	270 plants	270 plants	558 plants	270 plants	270 plants	1661 plants	1661 plants	1661 plants	1661 plants	1661 plants	1661 plants	144 plants
<b>analysis</b>	averagefruit/plant	1.5 pcs	2 pcs	2 pc pcss	2 pcs	10 pcs.	18 pcs.	13 pcs.	15 pcs.	25 pcs.	100 pcs.	12 pcs.	8 kgs.	50
	ave.weight in kg	250 grams	6 kgs.	7 kgs.	1.75 kgs.	1.5 kgs.	400 g	400 g	200 g	100 g	25 g	208 g	10 g	1.5kg.
	yield/ plant	.375 grams	12 kgs.	14 kgs.	3.5 kgs.	15 kgs.	7.2 kgs.	5.2 kgs.	3 kgs.	2.5 kgs.	2.5 kgs.	2.5 kgs.	.800 kgs.	75
	yield/ 1000 m2	1406 kgs.	3240 kgs.	3780kgs.	1953 kgs.	4050 kgs.	1944 kgs.	7,524 kgs	4980 kgs.	4150 kgs.	4150 kgs.	4150 kgs.	1328 kgs.	10,800 kgs.
	80% harvestable	1125 kgs	2592 kgs.	3024 kgs.	1562 kgs.	3280 kgs.	1555 kgs.	6,019 kgs.	3984 kgs.	3320 kgs.	3320 kgs.	3320 kgs.	1062 kgs.	8,640kgs.
	20% reject	281 kgs.	648 kgs.	756 kgs.	390 kgs.	810 kgs.	389 kgs.	1,505 kgs.	996 kgs.	830 kgs.	830 kgs.	830 kgs.	265 kgs.	2,160 kgs.
	<b>farm gate price</b>	<b>20/kg.</b>	<b>15/kg.</b>	<b>20/kg.</b>	<b>25/kg.</b>	<b>10/kg.</b>	<b>25/kg</b>	<b>10/kg.</b>	<b>10/kg.</b>	<b>15/kg</b>	<b>20/kg.</b>	<b>25/kg.</b>	<b>25/kg.</b>	12/kg
<b>Total</b>	gross sales in Peso	22,500.00	38,880.00	60,480.00	39,050.00	32,800.00	38,875.00	60,190.00	39,840.00	49,800.00	66,400.00	83,000.00	26,550.00	103,680.00
	inputs in Peso	13,290.00	19,020.00	21,540.00	25,190.00	19,860.00	23,650.00	30,570.00	22,415.00	23,590.00	43,360.00	24,160.00	23,870.00	22,070.00
	<b>net income in Peso</b>	<b>9,210.00</b>	<b>19,860.00</b>	<b>38,940.00</b>	<b>13,860.00</b>	<b>12,940.00</b>	<b>15,225.00</b>	<b>29,620.00</b>	<b>17,425.00</b>	<b>26,210.00</b>	<b>23,040.00</b>	<b>58,840.00</b>	<b>2,680.00</b>	81,610.00

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**PER 1000 SQ. METER**

crop		Radish	B.Onion	Celery	C.Kale	Spinach	Mustard	Petchay	Lettuce	Kangkong	Cabbage	Broccoli	Cauliflower	Upo	Patola	Sitao
from sowing to xplanting		direct	30-35days	25-30 days	12-15days	25-30 days	12-15days	12-15days	12-15days	direct	15-20 days	15-20 days	15-20 days	7-10 days	7-10 days	direct
maturity period		45-50 DAS	50-55 days	50-55 days	40-45DAT	40-45 days	30-35DAT	30-35 DAT	30-35DAT	30-35 DAS	55-60 DAT	55-60 DAT	50-55DAT	45-50DAT	45-50DAT	35-40DAT
total	size of area	20m x25m	20m x 50m	20x50m	20m x 50m	20m x 50m	20x50m	20x 50m	20x50m	20x50m	20mx50m	20mx50m	20x50m	20mx50m	20 x 50 m	20 x 50 m
area	linear meter of bed	325m	650m	650m	650m	650m	650m	650m	650m	650m	650m	650m	650m	330 m	300 m	650 m
	no. of bed	13	13	13	13	13	13	13	13	13	13	13	13	6	8	13
	size of bed	1x0.5x25m	1x0.5x50m	1x0.5x50m	1x0.5x50m	1x0.5x50m	1x0.5x50m	1x0.5x50m	1x0.5x50m	1x0.5x50m	1x0.5x50m	1x0.5x50m	1x0.5x50m	6x0.5x50m	6.0x0.5x50m	1x0.5x50m
	planting distance	20cmx20cm	15cmx20cm	20cmx20cm	20cmx20cm	20cmx20cm	20cm,x20cm	15cmx20cm	20cmx20cm	15cmx20cm	45cmx45cm	45cmx 45cm	45cm x 45cm	1mx 6m	1mx 4.5m	70cm x70cm
	plant pop./bed	500	1200	1000	1000	1000	1000	1200	1000	1200	222	222	222	100	100	142
	total population	6500 plants	15600plants	13000 plants	13000plants	13000plants	13000 plants	15600plants	13000plants	15600plants	2886plants	2886plants	2886plants	300 plants	400 plants	1846plants

seed	seed quantity	10pkx10gm	5pkx10gm	2pkx10gm	9pkx10gm	18 p kx10gm	2.5pkx10gm	4pkx10gm	3pks10gm	3 pks x 1 kg	2pk x 10gm	3pkx10gm	1pkx10gm	5pk x 10 gm	5pkx10gm	5pkx 100 gm
	no. of seed/ pack	820	4500	12500	1600	800	7600	7142	10000	21000	1780	2000	4000	70	80	620
	seed rate	100gm	50 gm	20gm	90 gm	180 gm	25 gm	40gm	30gm	3kg	20 gm	30gm	10gm	50gm	50 gm	500 gm
	germination rate	85%	85%	85%	85%	85%	85%	85%	85%	90%	80%	75%	85%	85%	85%	85%
	price per pack	P100	P65	P55	P120	P150	P55	P90	p 55.00	P980	P180	P290	P80	P240.00	P605.00	P 210
	total amount	P1,000	P325	P110	P1,080	P990	P165	P360	P165	P980	P360	P580	P80	P1,200.00	P3,025.00	P1,050.00

	seedling tray	Note:									65pcs	xxx	28 pcs	28 pcs	28 pcs	4 pcs	4 pcs	xxx	
40/pc	size (no.of hole)	Sowing- ... broadcast method by using 1m x1m seedbed									104	xxx	104	104	104	104	104	104	xxx
12.5/kg	growell medium										5sacks	xxx	2 sacks	2 sacks	2 sacks	1 sack	1 sack	xxx	
1,800/rl	mulching film	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	2 rolls	2 rolls	2 rolls	2 rolls	2 rolls	1roll	1 roll	2 rolls	
3,600/rl	culture net	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	3 rolls	3 rolls	xxx		
	insecticide/fung.	P1,200.00	P1,200.00	P1,200.00	P1,200.00	P1,200.00	P1,200.00	P1,200.00	P1,200.00	P600.00	P1,200.00	P1,200.00	P1,200.00	P1,200.00	P1,200.00	P1,200.00	P1,200.00		
300/pc	fruitfly attractant	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	1pc	xxx	1 pc	1 pc	1 pc		

input																
30/bag	chicken manure	20 bags	20 bags	20 bags	20 bags	20 bags	20 bags	20 bags	20 bags	20 bags	20 bags	20 bags	20 bags	20 bags	20 bags	20 bags
450/bag	complete(14-14-14)	2 bags	2 bags	2 bags	2 bags	2 bags	2 bags	2 bags	2bags	2 bags	3 bags	3 bags	2 bags	2 bags	2 bags	3 bags
450/bag	urea 46-0-0	1 bag	1 bag	1bags	1 bag	1 bag	1 bag	1 bags	1 bag	1 bag	1 bag	1 bag	1 bag	1 bag	1bag	1 bag
60/kg	boron	2 kg	2 kg	2kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg
50/kg	magnesium	2 kg	2 kg	2kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg
150/kg	calcium	2 kg	2 kg	2kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2kg	2 kg
150/kg	foliar fertilizer	4 ltr	4ltr	4 ltr	4ltr	4ltr	4ltr	4ltr	4ltr	4ltr	4ltr	4ltr	4 ltr	4ltr	4 ltr.	4 ltr

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**PER 1000 SQ. METER**



Cont.....

labor	land prep	no.of days	no. of days	no. of days	no. of days	no. of days	no. of days	no. of days	no. of days	no. of days	no. of days	no. of days	no. of days	no. of days	no. of days	no. of days
P150/day	<b>1st plowing</b>	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
do-	<b>1st harrowing</b>	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
do-	<b>2nd harrowing</b>	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
do-	<b>seeding</b>	2	2	3	3	3	3	1	1	4	1	1	1	1	1	1
do-	<b>bed making</b>	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
do-	<b>manure application</b>	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
do-	<b>fertilizer application</b>	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
do-	<b>laying out mulch</b>	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
do-	<b>transplanting</b>	xxx	2	2	2	2	2	2	2	xxx	2	2	2	2	2	xxx
do-	<b>trellis preparation</b>	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	2	4
do-	<b>irrigation</b>	10	10	10	10	10	10	10	10	5	10	10	10	10	10	10
do-	<b>drenching fert.</b>	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
do-	<b>pest control</b>	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4
do-	<b>harvesting</b>	8	10	8	10	10	10	10	10	8	10	10	10	10	10	10

yield	plant population	13000 plants	18,200plants	13000 plants	13000 plants	13000 plants	13000 plants	15600plants	13000plants	15600plants	2886plants	2886plants	2886plants	300 plants	300 plants	1846plants
	<b>10% mortality</b>	11700plants	16,380plants	11700plants	11700plants	11700 plants	11700 plants	14040plants	11770plants	14040plants	2597plants	2587plants	2587plants	270 plants	270 plants	1662plants
analysis	<b>averagefruit/plant</b>	1	1	1	1	1	1	1	1	1	1	1	1	10	30	40
	<b>ave.weight in kg</b>	0.4kg	150gm	125 gm	0.2kg	120 gm	0.2kg	0.2kg	0.20 kg	10 gm	0.75kg	0.5 kg	0.5 kg	2 kg	0.4 kg	25 gm
	<b>yield/ plant</b>	0.4 kg	150 gm	125 gm	0.2kg	120 gm	0.2kg	0.2kg	0.20kg	2 x 0.05kg	0.75kg	0.5 kg	0.5kg	20 kg	12 kg	1 kg
	<b>yield/ 1000m2</b>	4680 kg	2457kg	1462 kg	2,340 kg	1400 kg	2340 kg	2808 kg	2354kg	1,404kg	1947 kg	1293kg	1293kg	5400 kg	3240 kg	1662 kg
	<b>80% harvestable</b>	3744 kg	1,966 kg	1169 kg	1872 kg	1123 kg	1872 kg	2246 kg	1883kg	1,123kg	1558 kg	1035kg	1035kg	4752 kg	2592 kg	1330 kg
	<b>20% reject</b>	936 kg	491 kg	293 kg	468 kg	280 kg	468 kg	562 kg	472kg	281kg	389 kg	268 kg	268 kg	1080 kg	648 kg	332 kg
	<b>farm gate price</b>	<b>9/kg</b>	<b>20/ kg</b>	<b>30/kg</b>	<b>P30/kg</b>	<b>35/kg</b>	<b>14 /kg</b>	<b>10/kg</b>	<b>35/kg</b>	<b>18/kg</b>	<b>20/kg</b>	<b>35/kg</b>	<b>35/kg</b>	<b>8/ kg</b>	<b>10/kg</b>	<b>20/kg</b>

<b>Total</b>	<b>gross sales in Peso</b>	33,696.00	39,320.00	35,070.00	56,160.00	39,305.00	26,208.00	22,460.00	65,905.00	20,214.00	31,160.00	36,225.00	36,225.00	34,560.00	25,920.00	26,640.00
	<b>inputs in Peso</b>	15,600.00	14,905.00	14,520.00	15,830.00	15,740.00	14,915.00	14,770.00	26,475.00	17,220.00	20,990.00	21,210.00	20,710.00	21,500.00	23,325.00	20,600.00
	<b>net income in Peso</b>	<b>18,096.00</b>	<b>24,415.00</b>	<b>20,550.00</b>	<b>40,330.00</b>	<b>23,565.00</b>	<b>11,293.00</b>	<b>7,690.00</b>	<b>39,430.00</b>	<b>2,994.00</b>	<b>10,170.00</b>	<b>15,015.00</b>	<b>15,515.00</b>	<b>13,060.00</b>	<b>2,595.00</b>	<b>6,040.00</b>