

Farm Name:	Brix Bounty Farm	~7 acres w/ ~1-2 acres 2x cropped	©2015								
		approx 8 acres in production annually...									
<b>Crop Budget for:</b>	Shallots	Today's date:	1/12/2016								
Area planted:	1 bed (1/36 acre)	Labor rates:	<table border="0"> <tr> <td>\$18</td> <td>DC Labor Rate</td> </tr> <tr> <td>\$65</td> <td>Skilled labor rate</td> </tr> <tr> <td>\$13</td> <td>Crew labor rate</td> </tr> <tr> <td></td> <td>Average labor rate</td> </tr> </table>	\$18	DC Labor Rate	\$65	Skilled labor rate	\$13	Crew labor rate		Average labor rate
\$18	DC Labor Rate										
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	Average labor rate										
Field ID:											
Rows per bed:	3										
Plant spacing:	6"	Years growing this crop commercially:	6 of 15								
Transplants needed:	1452	Special remarks:									

## Production Expenses

for area planted

1 bed = ~6x200' = 1200 sq ft > 36 beds/acre

### Prepare Soil:

	Hours	Labor cost	Machinery cost	Product cost	NOTES:
Subsoil 1x, 2x	0.08	5.42	incl.	King	3 hours per acre at 36 beds/acre
Disk 1x,2x	0.08	5.42	incl.	King	3 hours per acre at 36 beds/acre
Rock Picking	0.25	3.75	3.75		2016 projections - Reams (year 3) average 9 hours
Mini-Chisel	0.08	1.25	2.00	DC	5 min per bed for 2x passes
Co, Mo, Se Field Spray	0.04	0.63		1.50	1 application = avg 2.5 min/bed or 1.5 hrs/acre
Boron Field Spray	0.04	0.63		0.50	1 application
Bio-Builder Field Spray	0.08	1.25		0.50	2 applications
Spread Fertilizer	0.17	2.17		35.00	incl. mix time - 2 passes ~10 min/bed - crew
Spread Manure, Compost	0.04	0.54		6.00	additional alfalfa - 1 pass
Stale Bed	0.33	4.33			20 min per bed w/ scuffle hoe - crew
Plastic mulch, drip, deer f	0.00	0.00	0.00	0.00	no irrigation, no deer fence for alliums

### Seed/Transplant:

Seeding in field			seed cost	55.25	if heating mats add \$1 per flat to cost (10 d at \$3 for
Cost of transplants	12 flats (128 2 s/c)			144.00	allium seeding rate 8 flats/hour, 15 flats/60qt bag, v
Transplanting labor	2	30.00		DC & crew	TP date 4.25.16 5.02.16 - 30 flats at ~8 min/flat = 4
				10 min per 128	GH dates 2.23.16, 3.02.16

### Cultivation:

Row cover on/off	0	0.00		0.00	15 minutes per bed for initial set + 10 min to remov
Hoeing 1x,2x, 3x, 4x	1.5	22.50	"generous"	DC + crew	5.09.16 + 5.16.16 + 5.23.16 + 6.06.16 + 6.20 whee
Handweeding 1	1	15.00		DC + crew	5.23.16 60 min/be
Handweeding 2	1	15.00		DC + crew	6.20.16 60 min/be
Handweeding 3	0.5	7.50		DC + crew	7.04.16 30 min/bed
Straw mulch	n/a				
Irrigating 1x,2x	n/a				
Tractor cult. 1x,2x,3x..	n/a				
Sidedressing	0.17	2.50		5.00	10 min/bed - including mix time and application
Spraying	0.2	3.00		1.50	6x - foliar sprays - weekly at cultivation, bi-weekly
Flame weeding	n/a				
Other - beneficial nematodes	0.11	1.67		12.00	2 applications - 2 hours/acre
Pre-Harvest Subtotals		122.54	5.75	258.75	= 387.04
		Labor costs	Machinery costs	Product costs	Pre harvest total

### Harvest:

in '15 3M - 166'	Total yield for area planted =	880 boxes	5 gal bucket per 8'
1 5 gal = 33 1/2 pt boxes	Harvest rates: cases/hour =	1 5 gal bucket at 15 min	
	Case size =	33 1/2 pints per 5 gal bucket	
	Total hours to harvest planted area =	6.5 including in field peeling	
Field to packhouse	6.5	97.50	15 min per bucket or 6.5 LH total
Packhouse to cooler	2	30.00	spraying/boxing and/or processing of dry shallots
Boxes, bags, labels			1/2 pint boxes (at .063 each)
			55.44

### Post Harvest:

Mow crop	0.04	0.63	1.88	need to calculate for mower, tractor, etc. - 11/19: r
Remove mulch	n/a			
Disking	0.04	2.71	0.63	quick till 1 pass and 1 pass to incorporate cc seed
Sow cover crop	0.06	0.83		need to confirm labor costs...
Other				

All Production Subtotals:

254.20	8.25	318.19
Labor costs	Machinery costs	Product costs

Total:

580.64
Production cost total

<b>Sales:</b>		# of units	price/unit	Total \$	we don't try to meet full demand for shall
Retail:	stand	350.00	2.50	875.00	~17 wks, 20 boxes/wk
Wholesale:	Mkt	60.00	2.50	150.00	10 wk, 6 boxes/wk
Other:	CSA	270.00	2.50	675.00	3 distributions x 90 shares
	Winter CSA	200.00	2.50	500.00	5 distributions x 40 shares
		880.00			
<b>Total sales:</b>				2200.00	\$2.50 per 1/2 pint box
<b>Gross Profit:</b>					
Sales - Production costs:			1619.36	For area planted, before overhead and marketing costs	
<b>Gross Profit/Acre:</b>			58296.96	For one acre, before overhead and marketing costs	
<b>Gross Profit Cost/unit:</b>			0.66	Total costs/total units, before overhead and mktg costs	
Overhead expenses/acre:			5500.00	include rent, insurance, supplies, etc. bookeeping and all	
Marketing expenses/acre:		800 hrs	1500	based on \$12,000 for 8 acres (incl double cropping) per y	
<b>Net profit per acre:</b>			51296.96		
<b>Cost of production per unit:</b>			0.780341598	per 1/2 pint box	
<b>Net Profit for area planted:</b>			1513.30		
<b>Net Profit per unit:</b>			1.719658402	per box	56.748727 per 5 gal bucket at 33 boxes