

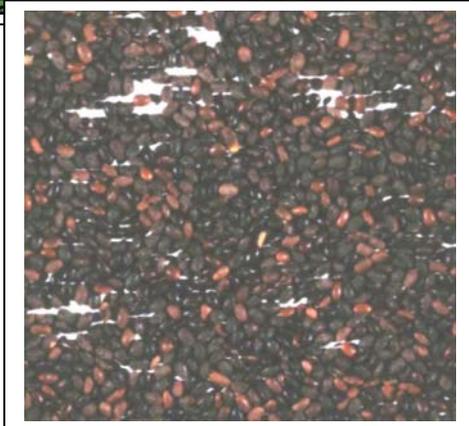
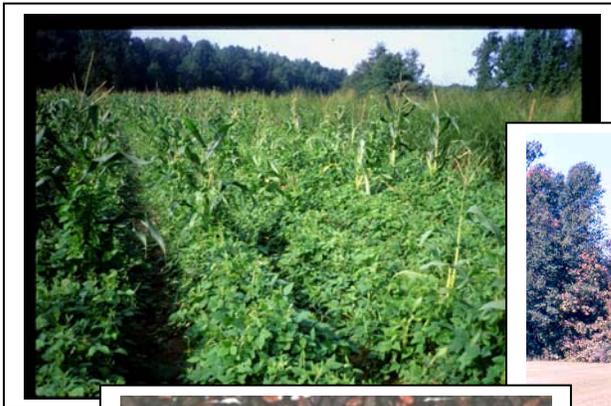


**Jamie L. Whitten Plant Materials Center
Coffeeville, MS**

Plant Materials Technical Note No. 101

April 2006

**ESTIMATED
SEED PRODUCTION COST BUDGETS
FOR
COFFEEVILLE PMC RELEASES**



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INTRODUCTION

Estimated production cost budgets can be good tools when looking for possible growers for PMC releases. The first question a seed grower is going to want to know is “how much an acre does it cost to raise _____ seed crop”. This information is vital when one is deciding on venturing into seed production of a new release.

In the future it is hopeful that we can produce a cost budget for each one of the PMC releases. It can be as detailed as one would like, but a simple chart such as the one used in the Native Grass Seed Production Manual would give a person the basic information of what one could expect expense wise in growing such release. A more detailed cost budget like the ones used for row crops by extension services could also be helpful in creating a guide for each release. Perennial crops would have expenses lined out for the establishment year as well as years following. Annual crops would be similar to other row crop cost budgets. The information could be used for possible new seed growers when making decisions about growing a PMC release. An added column that could be left blank for his/her own production factors could be included alongside PMC estimated input cost. Two budgets for each release would be necessary; one where conventional tillage is used and another for no-till. Sometimes perennial crops would need a fall and spring planting budget if both planting dates are possible. These budgets could be updated every two years as input cost change over time.

Acknowledgements:

Cost data was compiled by Jon Allison, Gardener, Coffeerville, PMC. Material has been reviewed by: Paul B. Rodrigue, Manager, PMC, Coffeerville, MS; Livia Marques, PMS, ENTSC; Joel Douglas, PMS, CNTSC, Ft. Worth, TX; Janet Grabowski, Manager, PMC Brooksville, Fl; Marion Reed, Economist, ECS, Jackson, MS.

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'Chiwapa' Millet, conventional till

**Estimated Production Cost for 'Chiwapa' Millet
(conventional tilled) 2005
Jamie L. Whitten Plant Materials Center
Coffeerville, Mississippi**

Item or task	Cost / Acre	Your Farm
Foundation Seed (16 lbs/acre)	\$24	_____
Seedbed Preparation (disk 2X, harrow, roll)	\$80	_____
Drill Millet	\$20	_____
Apply Herbicides (2 applications)	\$20	_____
Apply Fertilizer w/tractor-spreader (2 applications)	\$10	_____
Harvest (Combine w/ 20 ft header)	\$25	_____
Fertilizer (8-24-24 @ 200 lbs/acre)	\$34	_____
Fertilizer (34-0-0 @ 150 lbs/acre)	\$24	_____
Post-emerge Herbicide (broadleaves) + surfactant	\$4	_____
Post-emerge Herbicide (broadleaves) + surfactant	\$8	_____

Total Estimated Production Cost = \$249

Expected Income / Your Farm

1. Expected seed yield _____ lb/acre
2. Expected price per lb _____
3. Gross return minus production cost _____

'Chiwapa' Millet, no-till

**Estimated Production Cost for 'Chiwapa' Millet
(no -till) 2005
Jamie L. Whitten Plant Materials Center
Coffeerville, Mississippi**

Item or Task	Cost / Acre	Your Farm
Foundation Seed (16 lbs/acre)	\$24	_____
Drill Millet	\$20	_____
Apply Herbicides (4 applications)	\$40	_____
Apply Fertilizer w/tractor/spreader (2 applications)	\$20	_____
Harvest (Combine w/20 ft header)	\$25	_____
Fertilizer (8-24-24 @ 200 lbs/acre)	\$34	_____
Fertilizer (34-0-0 @ 150 lbs/acre)	\$24	_____
Burndown Herbicides	\$9	_____
Burndown Herbicide	\$10	_____
Post-emerge Herbicide (broadleaves) + surfactant	\$4	_____
Post-emerge Herbicide (broadleaves) + surfactant	\$8	_____

Total Estimated Production Cost = \$218

Expected Income / Your Farm

1. Expected seed yield _____ lb/acre
2. Expected price per lb _____
3. Gross return minus production cost _____



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Plant Materials Center
Coffeerville, MS**

'Highlander' Gamagrass, stale seedbed, Establishment Year

**Estimated Production Cost for 'Highlander' Gamagrass (seed production)
(stale seedbed) 2005
Jamie L. Whitten Plant Materials Center
Coffeerville, Mississippi**

Item or Task	Cost / Acre	Your Farm
Foundation Seed (16 lbs/acre)	\$192	_____
Seedbed Preparation (disk 2X, bed, roll)	\$80	_____
Plant Cover Crop w/tractor-spreader	\$8	_____
Plant Highlander Gamagrass	\$20	_____
Apply Herbicides (5 applications)	\$50	_____
Apply Fertilizer w/tractor-spreader (2 applications)	\$10	_____
Apply Lime (1 application @ \$25/ton)	\$25	_____
Fertilizer (8-24-24 @ 300lbs/acre)	\$51	_____
Fertilizer (34-0-0 @ 150lbs/acre)	\$24	_____
Burndown Herbicides (2 applications)	\$18	_____
Pre-emerge Herbicides	\$8	_____
Early Post-emerge Herbicide	\$4	_____
Post-emerge Herbicide (broadleaves)	\$8	_____
Hand roguing (2 hours/acre)	\$20	_____
Cover Crop Seed (wheat)	\$11	_____
Total Estimated Production Cost for Establishment Year =	\$529	_____

***note: there is no expected seed yield during the first year of establishment**

‘Highlander’ Gamagrass, stale seedbed, Year Two and Following Estimated Production Cost

Year Two and Following Estimated Production Cost

Item or Task	Cost / Acre	Your Farm
Burn Fields (2 hours/acre)	\$20	_____
Apply Herbicides (4 applications)	\$40	_____
Apply Insecticide (1 application)	\$10	_____
Apply Fertilizer w/tractor-spreader (3 applications)	\$15	_____
Fertilizer (0-20-20 @ 300 lbs/acre)	\$42	_____
Fertilizer (34-0-0 @ 150 lbs/acre >spring)	\$24	_____
Fertilizer (34-0-0 @ 150 lbs/acre >post-harvest)	\$24	_____
Soil Applied Residual Herbicides	\$8	_____
Early Post-emerge Herbicide (grass)	\$20	_____
Post-emerge Herbicide (broadleaves)	\$8	_____
Post-emerge Herbicide (spot-spraying)	\$2	_____
Harvest (Combine w/ 20ft header)	\$25	_____
Hand Roguing (2 hours/acre)	\$20	_____
Insecticide	\$5	_____

**Total Estimated Yearly Production Cost
for Highlander Seed Production**

\$263

*note: seed yield per acre will be small in year two compared to following years

Expected Income / Your Farm

1. Expected cost of establishment per acre = _____
2. Expected production cost per acre in years following establishment = _____
3. Expected seed yield / acre in year two of production = _____
4. Expected seed yield / acre each year following = _____
5. Expected price per lb = _____
6. Gross return minus production cost _____

Lark Selection Partridge Pea, conventional till

**Estimated Production Cost for Lark Selection Partridge Pea
(conventional tilled) 2005
Jamie L. Whitten Plant Materials Center
Coffeeville, Mississippi**

Item or Task	Cost / Acre	Your Cost
Foundation Seed (8 lbs PLS / acre)	\$100	_____
Seedbed Preparation (disk, harrow, bed)	\$75	_____
Plant	\$20	_____
Apply Herbicides (3 applications)	\$30	_____
Apply Fertilizer w/tractor-spreader	\$5	_____
Cultivate (2 trips)	\$25	_____
Harvest (Combine w/ 20ft header)	\$25	_____
Fertilizer (0-20-20 @ 300 lbs/acre)	\$42	_____
Pre-emerge Herbicide (grass)	\$12	_____
Post-emerge Herbicide (grass) + crop oil	\$13	_____
Post-emerge Herbicide (broadleaves) + surfactant	\$12	_____
Hand Roguing (2 hours/acre)	\$20	_____
Total Estimated Production Cost =	\$379	

Expected Income / Your Farm

1. Expected seed yield _____ lb/acre
2. Expected price per lb _____
3. Gross return minus production cost _____

Lark Selection Partridge Pea, no-till

**Estimated Production Cost for Lark Selection Partridge Pea
(no-till) 2005
Jamie L. Whitten Plant Materials Center
Coffeerville, Mississippi**

Item or Task	Cost / Acre	Your Farm
Foundation Seed (8 lbs PLS / acre)	\$100	_____
Plant Partridge Peas	\$20	_____
Apply Herbicides (4 applications)	\$40	_____
Apply Fertilizer w/tractor-spreader	\$5	_____
Harvest (Combine w/ 20ft header)	\$25	_____
Fertilizer (0-20-20 @ 300 lbs/acre)	\$42	_____
Burndown Herbicides	\$9	_____
Pre-emerge Herbicide (grass)	\$12	_____
Post-emerge Herbicide (grass) + crop oil	\$13	_____
Post-emerge Herbicide (broadleaves) + surfactant	\$12	_____
Hand Roguing (2 hours/acre)	\$20	_____

Total Estimated Production Cost = \$298

Expected Income / Your Farm

1. Expected seed yield _____ lb/acre
2. Expected price per lb _____
3. Gross return minus production cost _____

Lark Selection Partridge Pea, stale seedbed

**Estimated Production Cost for Lark Selection Partridge Pea
(stale seedbed) 2005
Jamie L. Whitten Plant Materials Center
Coffeerville, Mississippi**

Item or Task	Cost / Acre	Your Cost
Foundation Seed (8 lbs PLS / acre)	\$100	_____
Seedbed Preparation (disk, harrow, bed)	\$75	_____
Plant Cover Crop w/tractor-spreader	\$8	_____
Plant Partridge Pea	\$20	_____
Cover Crop Seed (wheat)	\$11	_____
Apply Herbicides (4 applications)	\$40	_____
Apply Fertilizer w/tractor-spreader	\$5	_____
Harvest (Combine w/ 20ft header)	\$25	_____
Fertilizer (0-20-20 @ 300 lbs/acre)	\$42	_____
Burndown Herbicides	\$9	_____
Pre-emerge Herbicide (grass)	\$12	_____
Post-emerge Herbicide (grass) + crop oil	\$13	_____
Post-emerge herbicide (broadleaves) + surfactant	\$12	_____
Hand Roguing	\$20	_____
Total Estimated Production Cost =	\$392	

Expected Income / Your Farm

1. Expected seed yield _____ lb/acre
2. Expected price per lb _____
3. Gross return minus production cost _____

'Meechee' Arrowleaf Clover, conventional till, establishment year

**Estimated Production Cost for 'Meechee' Arrowleaf Clover
(conventional till) 2005
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Coffeeville, Mississippi**

1

Item or Task	Cost / Acre	Your Farm
Foundation Seed (10 lbs/acre)	\$15	_____
Seedbed Preparation (disk 2X, harrow, roll 2X)	\$90	_____
Drill Meechee Seed	\$25	_____
Apply Herbicides (2 applications)	\$20	_____
Apply Fertilizer w/tractor-spreder (1 application)	\$5	_____
Apply Lime (1 application @ \$25/ton)	\$25	_____
Fertilizer (0-20-20 @ 300 lbs/acre)	\$42	_____
Pre-emerge Herbicide (grass)	\$4	_____
Post-emerge Herbicide (grass) + crop oil	\$13	_____
Hand Roguing (2 hours/acre)	\$20	_____
Harvest (Combine w/ 20ft header)	\$25	_____
Maintenance Clipping (tractor w/bush hog 2X)	\$50	_____

**Total Estimated Production Cost
for Establishment Year =** \$334 _____

Expected Income / Your Farm

1. Expected seed yield _____ lb/acre
2. Expected price per lb _____
3. Gross return minus production cost _____

'Meechee' Arrowleaf Clover, conventional till, Year Two and following estimated production cost

'Meechee' Arrowleaf Clover, conventional till, Year Two and Following Estimated Production Cost 2

Item or Task	Cost / Acre	Your Farm
Apply Herbicides (4 applications)	\$40	_____
Apply Fertilizer w/tractor-spreader (1 application)	\$5	_____
Fertilizer (0-20-20 @ 300 lbs/acre)	\$42	_____
Soil Applied Residual Herbicide (grass)	\$4	_____
Post-emerge Herbicide (grass)	\$13	_____
Post-emerge Herbicide (broadleaves)	\$18	_____
Post-emerge Herbicide (spot spraying)	\$2	_____
Hand Roguing (2 hours/acre)	\$20	_____
Harvest (Combine w/ 20ft header)	\$25	_____
Maintenance Clipping (tractor w/bush hog 2X)	\$50	_____

Total Estimated Yearly Production Cost for Meechee Seed Production = \$219 _____

Expected Income / Your Farm

1. Expected cost/acre for establishment year _____
2. Expected production cost per acre in following years _____
3. Expected seed yield/acre _____
4. Expected price per lb _____
5. Expected return above production cost _____

'Meechee' Arrowleaf Clover, no-till, establishment year

Estimated Production Cost for 'Meechee' Arrowleaf Clover (no-till) 2005 **1**
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Coffeeville, Mississippi**

Item or Task	Cost / Acre	Your Farm
Foundation Seed (10 lbs/acre)	\$15	_____
Drill Meechee Seed	\$25	_____
Apply Herbicides (4 applications)	\$40	_____
Apply Fertilizer w/tractor-spreader (1 application)	\$5	_____
Apply Lime (1 application @ \$25/ton)	\$25	_____
Fertilizer (0-20-20 @ 300 lbs/acre)	\$42	_____
Burndown Herbicide	\$9	_____
Burndown Herbicide	\$9	_____
Pre-emerge Herbicide (grass)	\$4	_____
Post-emerge Herbicide (grass) + crop oil	\$13	_____
Hand Roguing (2 hours/acre)	\$20	_____
Harvest (Combine w/ 20ft header)	\$25	_____
Maintenance Clipping (tractor w/bush hog 2X)	\$50	_____

Total Estimated Production Cost for Establishment Year = \$282 _____

Expected Income / Your Farm

1. Expected seed yield _____ lb/acre
2. Expected price per lb _____
3. Gross return minus production cost _____

***note: estimated cost for following years on next page**

'Quail Haven' Reseeding Soybean, conventional till w/corn

**Estimated Production Cost for 'Quail Haven' Reseeding Soybeans
(conventional till with corn) 2005
Jamie L. Whitten Plant Materials Center
Coffeeville, Mississippi**

Item or Task	Cost / Acre	Your Farm
Foundation Seed (20 lbs/acre)	\$30	_____
Corn Seed (10 lbs/acre)	\$20	_____
Seedbed Preparation (disk 2X, harrow)	\$75	_____
Plant	\$20	_____
Apply Herbicides (3 applications)	\$30	_____
Apply Fertilizer w/tractor-spreader	\$5	_____
Cultivate (1 pass)	\$12	_____
Harvest (Combine w/ 20ft header)	\$25	_____
Fertilizer (0-20-20 @ 300 lbs/acre)	\$42	_____
Pre-emerge herbicides (grass + broadleaves)	\$22	_____
Post-emerge herbicide (broadleaves) + surfactant	\$18	_____
Post-emerge herbicide (broadleaves) + surfactant	\$18	_____
Hand Roguing (2 hours/acre)	\$20	_____
Total Estimated Production Cost =	\$337	_____

Expected Income / Your Farm

1. Expected seed yield _____ lb/acre
2. Expected price per lb _____
3. Gross return minus production cost _____

‘Quail Haven’ Reseeding Soybean, no-till

**Estimated Production Cost for 'Quail Haven' Reseeding Soybeans
(no-till) 2005**

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Item or Task	Cost / Acre	Your Farm
Foundation Seed (20 lbs/acre)	\$30	_____
Plant	\$25	_____
Apply Herbicides (4 applications)	\$40	_____
Apply Fertilizer w/tractor-spreader	\$5	_____
Harvest (Combine w/ 20ft header)	\$25	_____
Fertilizer (0-20-20 @ 300 lbs/acre)	\$42	_____
Burndown Herbicides	\$9	_____
Pre-emerge Herbicides (grass + broadleaves)	\$25	_____
Post-emerge Herbicide (grass) + crop oil	\$13	_____
Post -emerge Herbicide (broadleaves) + surfactant	\$12	_____
Hand Roguing (2 hours/acre)	\$20	_____
Total Estimated Production Cost =	\$246	_____

Expected Income / Your Farm

1. Expected seed yield _____ lb/acre
2. Expected price per lb _____
3. Gross return minus production cost _____



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Coffeeville, MS

'Quail Haven' Reseeding Soybean, stale seedbed till w/corn

**Estimated Production Cost for 'Quail Haven' Reseeding Soybeans
(stale seedbed with corn) 2005
Jamie L. Whitten Plant Materials Center
Coffeeville, Mississippi**

Item or Task	Cost / Acre	Your Farm
Foundation Seed (20 lbs/acre)	\$30	_____
Corn Seed (10 lbs/acre)	\$20	_____
Seedbed Preparation (disk 2X, harrow)	\$75	_____
Plant	\$20	_____
Plant Cover Crop w/tractor-spreader	\$8	_____
Cover Crop Seed (wheat)	\$11	_____
Apply Herbicides (4 applications)	\$40	_____
Apply Fertilizer w/tractor-spreader	\$5	_____
Harvest (Combine w/ 20ft header)	\$25	_____
Fertilizer (0-20-20 @ 300lbs/acre)	\$42	_____
Burndown Herbicides	\$9	_____
Pre-emerge Herbicides (grass + broadleaves)	\$22	_____
Post-emerge Herbicides (broadleaves) + surfactant	\$18	_____
Post-emerge Herbicides (broadleaves) + surfactant	\$18	_____
Hand Roguing (2 hours/acre)	\$20	_____
Total Estimated Production Cost =	\$363	_____

Expected Income / Your Farm

1. Expected seed yield _____ lb/acre
2. Expected price per lb _____
3. Gross return minus production cost _____