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| --- | --- | --- |
| Enterprise budget with variable costs for fava beans (Vicia fava) based on research at the UMass Research Farm in 2014-2016. | | |
| **Labor costs/acreEquipment cost** | | |
|  | Labor hrs  ($14.00/hr) | Machinery hrs  ($20.00/hr) |
| Taking soil samples | 0.5 | - |
| Plow | 0.5 | 0.5 |
| Disk | 0.5 | 0.5 |
| Apply lime and fertilizer | 1 | 1 |
| Sowing | 2 | 2 |
| Herbicide application | 1 | 1 |
| Weeding (cultivator) | 15 | 6 |
| Harvest (3 times-total) | 15 | - |
| Packing | 60 | - |
| Deliver to Wholesaler | 5 | 5 |
| Total hours | 100.5 | 16.00 |
| **Total costs (labor and equipment)** | **$1,407** | **$320** |
| **Cost of Materials (based on 1 acre)** | | |
| Soil tests (2 times) | $30 |  |
| Seed (110 lb seeds/a @ $3.25/lb) | $360 |  |
| Fertilizer | $100 |  |
| Herbicide | $120 |  |
| Boxes (500 boxes @ $1.50) | $750 |  |
| **Total cost material** | **$1,360** |  |
| **Total costs and returns (based on 1 acre)** | | |
| Labor costs | $1,407 |  |
| Machinery hrs | $320 |  |
| Material costs | $1,360 |  |
| Total costs | $3,087 |  |
| Total returns (based on average of 10,000 lb pods per acre harvested at 3 times @ $1.00/pound) | $10,000 |  |
| **Net (Total returns – Total costs)** | **$6,913** |  |