**Attachment A – Materials and Methods Heirloom Dry Bean Variety Trial**

**Table 1. Names, seed sources, and seeding rates of the eighteen heirloom dry bean varieties planted in Alburgh, VT and Glover, VT 2015.**

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| **Variety** | **Seed Source** | **Seeding rate** |
|  |  | seeds ac-1 |
| Black Calypso\* | Purcell Mountain Farms Moyie Springs, ID | 77,000 |
| European Soldier | Purcell Mountain Farms Moyie Springs, ID | 72,000 |
| Eye of Goat | Purcell Mountain Farms Moyie Springs, ID | 83,000 |
| Jacob's Cattle | Purcell Mountain Farms Moyie Springs, ID | 76,000 |
| King of the Early | Morningstar Meadows Farm, Glover, VT | 78,000 |
| Light Red Kidney | Purcell Mountain Farms Moyie Springs, ID | 83,000 |
| Orca \* | Purcell Mountain Farms Moyie Springs, ID | 112,000 |
| Pinto | Morningstar Meadows Farm, Glover, VT | 99,000 |
| Raquel \* | Purcell Mountain Farms Moyie Springs, ID | 76,000 |
| Rattlesnake \* | Purcell Mountain Farms Moyie Springs, ID | 86,000 |
| Red Calypso \* | Purcell Mountain Farms Moyie Springs, ID | 72,000 |
| Snow Cap \* | Purcell Mountain Farms Moyie Springs, ID | 83,000 |
| Spanish Talosna \* | Purcell Mountain Farms Moyie Springs, ID | 79,000 |
| Tiger Eyes | Purcell Mountain Farms Moyie Springs, ID | 93,000 |
| Tongues of Fire \* | Purcell Mountain Farms Moyie Springs, ID | 76,000 |
| Vermont Appaloosa \* | Purcell Mountain Farms Moyie Springs, ID | 99,000 |
| Vermont Cranberry \* | Rogers Farmstead, Berlin, VT | 86,000 |
| Yellow Eye | Morningstar Meadows Farm, Glover, VT | 76,000 |

**Table 2. General trial management information of the 2015 heirloom dry bean trials in Alburgh, VT and Glover, VT.**

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| **Trial Information** | **Heirloom dry bean variety trials** | |
|  | Borderview Research Farm, Alburgh, VT | Morningstar Meadows Farm, Glover, VT |
| Soil type | Benson rocky silt loam | Sandy loam |
| Previous crop | Sweet corn | Mixed grain & wheat |
| Tillage operations | Spring plow, disk, & spike tooth harrow | Moldboard plow & disk harrow |
| Plot size (feet) | 5 x 20 | 5 x 20 |
| Row spacing (inches) | 30 | 30 |
| Replicates | 4 | 3 |
| Starter Fertilizer (lbs ac-1) | None | 350 – MicroSTART 60 (3-2-3) |
| Planting date | 5-Jun | 10-Jun |
| Tineweed | None | 2x |
| Cultivation | 4-Row Brillion: 17-Jun and 7-Jul | John Deere 4-row C-shank w/ crop shields: weekly for 5weeks  starting 12-Jun |
| Harvest date | 22-Sep | 18-Sep |