Table 1: Potato varieties (commercially available and heirloom varieties) with potential as parents in an organic breeding program. PLH = potato leafhopper; EB = early blight; Vert = Verticillium wilt; CS = common scab.

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| --- | --- | --- | --- | --- |
| Variety | Class | Yield potential in organic production(within class) | Pest and/or disease resistance observed | Fertility confirmed |
| Chieftain | Red | high | PLH | yes |
| Huckleberry | Red | - | - | yes |
| Red La Soda | Red | high | - | yes |
| Early Bangor | Red | high | PVY | - |
| Gold Coin | Yellow | high | PVY | - |
| Epicure Banana | Yellow | medium | PVY | - |
| Aylesbury Gold | Yellow | medium | PVY | - |
| Spartan Splash | Yellow | high | Vert, CS | yes |
| Carola | Yellow | - |  | yes |
| Freedom Russet  | Russet | high | PLH, EB, Vert, CS | yes |
| Butte | Russet | medium | PVY | yes |
| Purple Majesty | Purple | medium-high | PLH | - |
| Blue Victor | Purple | - |  | yes |
| Papa Cacho | Fingerling | high | PLH, EB, Vert | yes |
| French Fingerling | Fingerling | high | PLH, EB, Vert | yes |
| Red Thumb | Fingerling | high | CS | yes |
| Eva | White | - | PVY | yes |
| White Lady | White | - | PVY | yes |
| Tacna | White | - | PVY | yes |