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| **Table S1**. Distribution of rice plots per farm |
| Plots | Farms | Share (%) |
| 1 | 760 | 94.76 |
| 2 | 33 | 4.11 |
| 3 | 7 | 0.87 |
| 4 | 1 | 0.12 |
| 5 | 1 | 0.12 |
| **Source**: Elaborated by the authors.  |

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| **Table S2**. Multivariate Probit regression results on technology adoption with plot level data |
|  | (1) | (2) | (3) | (4) | (5) |
| **Variables** | **MIVs** | **Machinery** | **Fertilizer** | **Pesticide** | **Herbicide** |
|   |  |  |  |  |  |
| Yield as first interest when choosing a variety | -0.057 |  |  |  |  |
|   | (0.091) |  |  |  |  |
| Years of education of household head | 0.038\*\* | 0.052\*\*\* | 0.010 | -0.000 | 0.025 |
|   | (0.015) | (0.015) | (0.017) | (0.014) | (0.019) |
| Age (years) of household head | -0.001 | 0.001 | -0.002 | -0.012\*\*\* | -0.004 |
|   | (0.005) | (0.005) | (0.004) | (0.004) | (0.005) |
| Female household head (1 = Yes) | 0.074 | -0.319 | -0.312 | -0.273 | -0.527\*\* |
|   | (0.179) | (0.267) | (0.255) | (0.222) | (0.244) |
| Alt. income-generating employment (1 = Yes) | 0.053 | -0.053 | 0.112 | 0.060 | 0.104 |
|   | (0.122) | (0.091) | (0.099) | (0.098) | (0.101) |
| (Log-) Size of the farm | 0.255\*\*\* | 0.220\*\*\* | 0.129\*\*\* | 0.120\*\*\* | 0.129\*\*\* |
|   | (0.050) | (0.057) | (0.039) | (0.036) | (0.045) |
| Part of production association (1 = Yes) | 0.715\*\*\* | 0.522\* | 0.213 | 0.066 | 0.251 |
|   | (0.244) | (0.289) | (0.208) | (0.267) | (0.324) |
| Access to extension services (1 = Yes) | 0.264\* | 0.299\*\* | 0.278\*\* | 0.056 | 0.134 |
|   | (0.160) | (0.146) | (0.130) | (0.140) | (0.156) |
| Fixed effect(a): Beni | -0.600\*\* | -0.295 | -0.706\*\*\* | -0.435\* | -0.903\*\*\* |
|   | (0.272) | (0.343) | (0.246) | (0.240) | (0.340) |
| Fixed effect(a): Cochabamba | 0.478\* | -0.437 | -0.319\* | -0.069 | -0.576\* |
|   | (0.257) | (0.325) | (0.178) | (0.319) | (0.341) |
| (Log-) Distance to San Juan de Yapacaní | 0.044 | -0.616\*\*\* | -0.021 | -0.119 | -0.158 |
|   | (0.060) | (0.163) | (0.052) | (0.094) | (0.133) |
| Constant | -1.734\*\*\* | 1.512\*\* | -0.978\*\*\* | 1.110\*\*\* | 0.812 |
|   | (0.380) | (0.630) | (0.355) | (0.426) | (0.627) |
|   |  |  |  |  |  |
| Observations | 856 | 856 | 856 | 856 | 856 |
| (a) Base category is Santa Cruz. |
| Robust standard errors in parentheses. \*\*\* *p* <0.01, \*\* *p* <0.05, \* p <0.1 |
| **Source**: Elaborated by the authors based on survey data. |

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| **Table S3**. Multivariate Probit correlation results with plot level data |
| *ρ*21 | *ρ*31 | *ρ*41 | *ρ*51 | *ρ*32 |
| 0.534\*\*\* | 0.306\*\*\* | 0.256\*\*\* | 0.305\*\*\* | 0.571\*\*\* |
| (0.104) | (0.0724) | (0.0882) | (0.0955) | (0.0851) |
|  |  |  |  |  |
| *ρ*42 | *ρ*52 | *ρ*43 | *ρ*53 | *ρ*54 |
| 0.435\*\*\* | 0.730\*\*\* | 0.850\*\*\* | 0.874\*\*\* | 0.830\*\*\* |
| (0.0835) | (0.113) | (0.107) | (0.118) | (0.111) |
| Joint significance LR test: chi2(10) = 488.65, *p*-value = 0.00 |
| Robust standard errors in parentheses.\*\*\* *p* <0.01, \*\* *p* <0.05, \* *p* <0.1 |
| Note: *ρij*defines the correlation between technologies *i* and *j*, with values meaning (1) MIVs, (2) machinery, (3) fertilizer, (4) pesticide, and (5) herbicide. |
| **Source**: Elaborated by the authors based on survey data. |

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| **Table S4**. Separate Probit regression models for technology adoption at household level. |
|   | (1) | (2) | (3) | (4) | (5) |
| Variables | MIV | Machinery | Fertilizer | Pesticide | Herbicide |
|   |   |   |   |   |   |
| Yield as first interest when choosing a variety | 0.071 |  |  |  |  |
|  | (0.101) |  |  |  |  |
| Years of education of household head | 0.043\*\*\* | 0.059\*\*\* | 0.011 | 0.002 | 0.030\*\* |
|  | (0.013) | (0.015) | (0.014) | (0.013) | (0.015) |
| Age (years) of household head | 0.000 | -0.001 | -0.003 | -0.017\*\*\* | -0.009\* |
|  | (0.004) | (0.005) | (0.005) | (0.004) | (0.005) |
| Female household head (1 = Yes) | -0.072 | -0.334 | -0.384 | -0.408 | -0.878\*\*\* |
|  | (0.253) | (0.275) | (0.292) | (0.251) | (0.255) |
| Alt. income-generating employment (1 = Yes) | 0.023 | -0.130 | 0.096 | -0.042 | 0.022 |
|  | (0.096) | (0.112) | (0.106) | (0.103) | (0.117) |
| (Log-) Size of the farm | 0.110\*\*\* | 0.206\*\*\* | 0.171\*\*\* | 0.121\*\*\* | 0.127\*\*\* |
|  | (0.035) | (0.041) | (0.040) | (0.037) | (0.038) |
| Part of production association (1 = Yes) | 0.600\*\*\* | 0.562\*\*\* | 0.328\*\* | 0.240 | 0.668\*\*\* |
|  | (0.135) | (0.160) | (0.142) | (0.151) | (0.187) |
| Access to extension services (1 = Yes) | 0.137 | 0.364\*\* | 0.360\*\*\* | 0.089 | 0.139 |
|  | (0.125) | (0.154) | (0.136) | (0.153) | (0.172) |
| Fixed effect(a): Beni | -0.115 | -0.131 | -0.727\*\*\* | -0.046 | -0.245 |
|  | (0.147) | (0.185) | (0.164) | (0.175) | (0.189) |
| Fixed effect(a): Cochabamba | 0.276\* | -0.523\*\*\* | -0.433\*\* | -0.095 | -0.830\*\*\* |
|  | (0.159) | (0.170) | (0.192) | (0.162) | (0.168) |
| (Log-) Distance to San Juan de Yapacaní | -0.068 | -0.765\*\*\* | -0.048 | -0.499\*\*\* | -0.974\*\*\* |
|  | (0.046) | (0.094) | (0.043) | (0.093) | (0.137) |
| Constant | -0.612\* | 2.183\*\*\* | -0.949\*\*\* | 2.947\*\*\* | 4.496\*\*\* |
|  | (0.327) | (0.512) | (0.325) | (0.495) | (0.680) |
|  |  |  |  |  |  |
| Observations | 802 | 802 | 802 | 802 | 802 |
| (a) Base category is Santa Cruz. |
| Robust standard errors in parentheses. \*\*\* p<0.01, \*\* p<0.05, \* p<0.1 |
| **Source**: Elaborated by the authors based on survey data. |