# Table S1. Summary of studies, which examine determining factors of on-farm diversification

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| **Production system to be diversified** | **Country of study** | **Mean farm size (ha)** | **Effect of farm size on on-farm diversification** | **Reference** |
| Maize system | Zambia | nd | Positive | (Sichoongwe et al., 2014) |
| Maize system | Malawi | 0.8 | Positive | (Kankwamba et al., 2012) |
| Rice system | India | nd | Positive | (Mandal & Bezbaruah, 2013) |
| Rice system | Cambodia | 1.5 | Positive | (Seng, 2014) |
| Livestock-forest-crop systems | Ecuador | 28.3 | Positive | (Torres et al., 2018)  |
| nd | Ethiopia | 1.2 | Positive | (Mussema et al., 2015) |
| Pulse-cereal system | India | nd | No effect | (Goswami et al., 2017) |
| Crop and livestock systems | Ghana | 7 | No effect | (Asante et al., 2018) |
| Maize and groundnut system | Zambia | 6.2 | No effect | (Dube et al., 2017) |
| Rice, sugarcane, and cassava systems | Thailand | 6.1 | No effect | (Taweekul et al., 2013) |
| Rice system | India | nd | Negative | (Kumar et al., 2012) |
| Rice system | Thailand | 2.5 | Negative | (Kasem & Thapa, 2011) |
| Rice, maize, and wheat systems | India | nd | Negative | (Naseer Hussain Bazaz, 2013) |
| **Method:** A literature research was carried out in academic.microsoft.com for the following four key word combinations: 1) diversification, determinants, farming; 2) diversification, factors, farming; 3) diversification, determinants, cropping; and 4) diversification, factors, cropping. Twelve journal articles and one research report were selected from 173 returned publications because these focused on on-farm diversification and included farm size in the factors, which were studied. |

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