Towards Sustainable Coffee and Black Pepper Production in Vietnam

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Introduction

•Vietnam is a leading coffee and black pepper producer

•Central Highlands (CH) region is a key contributor

•Unsustainable farming practices lead to decline in production[1,2]

•V-SCOPE project[3] seeks to improve coffee and black pepper farming systems and value-chain for improved smallholder livelihoods in the CH, Vietnam.

•GAP promoted include; soil fertility management, liming, intercropping, soil rejuvenation and water saving practices.

Methods

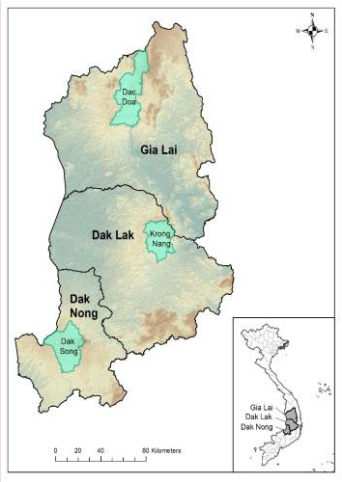

Figure 1: Map of the study area

.RHOMIS[1] used for household, livelihood and farming syst. analysis

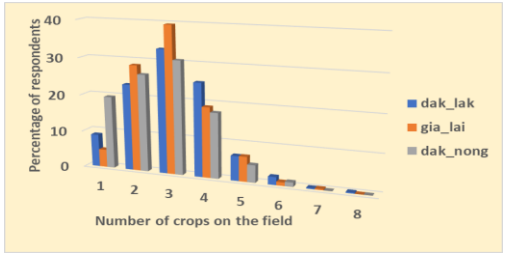

Figure 2: Number of crops on the field of respondents

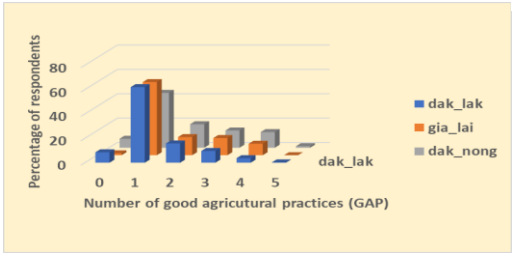

Figure 4: Number of good agricultural practices (GAP)

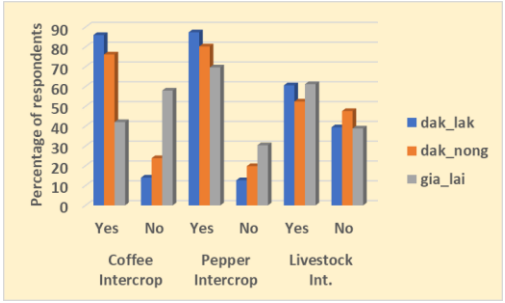

Figure 3: Coffee and black pepper intercrop and livestock integration

Results

•Across the 3 districts, majority of the farmers planted 2 – 4 crops on the same field (Figs. 2 & 3).

•Majority planted coffee with other crops (maize, rice, macadamia, vegetables and fruits) than mono coffee.

•Also, black pepper was planted with other crops than mono black pepper.

•Irrespective of the district, majority practiced only one (1) GAP with few practicing 2 – 4 GAP (Fig. 4).

Conclusion/Perspectives: Although majority of farmers are practicing intercropping in the production of coffee or black pepper, and even integrated livestock production, few are practicing more than one (1) GAP. Promoting GAP e.g. through agricultural extension would contribute to sustainable soil and crop productivity for improved income and livelihoods in the CH of Vietnam.

1. *RHOMIS (2018); Wijk, Mark T. van and Hammond, J. 2018. The Rural Household Multiple Indicator Survey (RHOMIS). Presented at the CGIAR Platform for Big Data in Agriculture Convention, Nairobi, 3-5 October 2018. Nairobi, Kenya: ILRI.*
2. *Gaitán-Cremaschi, D., Van Evert, F.K., Jansen, D.M., Meuwissen, M.P.M., Oude Lansink, A.G.J.M. 2018. Assessing the Sustainability Performance of Coffee Farms in Vietnam: A Social Profit Inefficiency Approach. Sustainability, 10(11), 4227. Doi.org/10.3390/su10114227.*
3. *"Enhancing smallholder livelihoods in the Central Highlands of Vietnam through improving the sustainability of coffee and black pepper farming systems and value chains"*