



FROM THEORY TO PRACTICE: PILOT OF THE COFFEE DATA STANDARD IN VIETNAM

Through the GCP Progress Tool, in 2020 information on farm indicators and sustainable practices was collected from 13,452 households.

HOUSEHOLDS

**Di Linh
(Lam Dong province)**

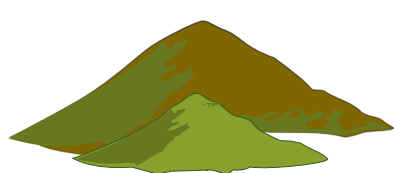
Surveyed
Districts

**Krong Nang
(Dak Lak province)**

7,224

N° of
Households

6,318



Hilly

Typography



Flat

COFFEE PRODUCTION PER HOUSEHOLD

1.2 ha

Average
cultivated area

1.3 ha

90%

Single plot

46%

73%

Monocropping

22%

1.7 tons / ha

NPK fertilizers
applied annually

1.9 tons / ha

56%

Combining NPK
with other fertilizers

49%

65%

Coffee fields infected
by at least one pest

39%

US\$1548 / ha

Average
production costs

US\$1704 / ha

COMMON DISEASES

Coffee rust

Scale aphid

Mealybug

FARMING PERFORMANCE

3.4 tons / ha

Average yield
green coffee
bean

3.0 tons / ha

US \$3,463

Gross Margin
(GM) per ha

US \$4,592

HOUSEHOLDS

**Di Linh
(Lam Dong province)**

The higher yield, the higher GM/ha. Depends on the efficiency of the fertilizer used.



Farm performance

**Krong Nang
(Dak Lak province)**

Farms with intercropping presented the highest coffee yield and GM/ha.

INFLUENCING FACTORS

Amount of NPK, farm size, coffee varieties, tree age, ethnic group, certification.

Amount of NPK, a combination of intercropped trees and their density.

+90% assisted training on sustainable farming practices



Crop husbandry



Integrated Pest Management



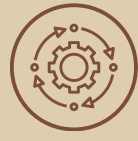
Fertilizers Application



Watering



Harvesting



Processing



Storing

RECOMMENDATIONS FOR FARMERS

Intercropping cultivation

Introduce intercropping cultivation as it helps to increase the GM.

Apply together with replantation processes to ensure food security.

Durian, pepper, avocado, macadamia should be complementary trees.

Sustainable farming practices

Participate in certified coffee to gain higher yield and enhance sustainable practices.

Participate in NSC training as it is useful for implementing replanting techniques, watering, fertilizer application, pruning, IPM, harvesting, dry processing.

Practices should explore the 5 most popular combinations of intercropping trees.

Fertilizers

Combine NPK with organic and/or biofertilizers in a harvest crop.

Enhance the use of organic and bio-organic fertilizers to improve coffee yield, fertilizer efficiency, soil quality.

Boost potassium content for high-yield mono-crop farms.

Rejuvenation and replantation

Use high-yield robusta varieties like TRS1; TR9; TR11.

Replanting

Prioritize households that have low yield and poor farm performance.

