

High quality compound concentrate feed for dairy cattle

Project Title: P249 - Upscaling promising livestock options for mitigating greenhouse gas emissions in Asia

Description of the innovation: The project has developed a higher quality compound concentrate feed composed of raw materials with a stable nutrient content, a protein content of about 20% crude protein per kg and the addition of a mineral/vitamin pre-mix of well-known composition (Maxcare mineral/vitamin pre-mix produced by Trouw Nutrition Indonesia). The concentrate feed was produced by dairy cooperative KPSBU under supervision of the project and Trouw Nutrition Indonesia, and tested by pilot farmers in the project.

New Innovation: No

Stage of innovation: Stage 2: successful piloting (PIL - end of piloting phase)

Innovation type: Production systems and Management practices

Geographic Scope: Sub-national

Number of individual improved lines/varieties: <Not Applicable>

Country(ies):

- Indonesia

Description of Stage reached: The high quality concentrate feed was first tested by 18 pilot farmers in the project for a period of 3 months (September-December 2019). Because of positive results, dairy cooperative KPSBU decided to start producing the concentrate for all 4500 members, with the mineral/vitamin pre-mix Maxcare supplied by Trouw Nutrition Indonesia.

Name of lead organization/entity to take innovation to this stage: WUR - Wageningen University and Research Centre

Names of top five contributing organizations/entities to this stage:

- KPSBU - Koperasi Peternak Sapi Bandung Utara (Lembang)
- TN Indonesia - Trouw Nutrition Indonesia

Milestones:

- Technical and policy guidance to focus countries, supply chains and donors for LED priorities, with emphasis on livestock systems

Sub-IDs:

- 10 - Closed yield gaps through improved agronomic and animal husbandry practices

Contributing Centers/PPA partners:

- WUR - Wageningen University and Research Centre

Evidence link: <https://doi.org/10.18174/515314>

Deliverables associated:

- D9326 - (WP1) Report on technical and environmental effects and adoption of feeding and manure management interventions in Indonesian dairy farms (<https://edepot.wur.nl/515314>)

Contributing CRPs/Platforms:

- CCAFS - Climate Change, Agriculture and Food Security