



Challenges of designing pig diets using local feedstuffs for Ugandan subsistence farmers

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Outline

- Uganda
- Feedstuffs
- Challenges
- Diets
- Trial
- Farmers' response



Photo: sendacow.org.uk



Photo: N. Carter



Map: daneenleidig Photo: N.Carter



Photos: N. Carter and ILRI



Photos: N. Carter and ILRI



Housing from local materials



• Photo: E. Smith

Tethered and tied under a tree



Photo: ILRI

Free-range management



Photo: N. Carter

4.3km per 12h! 76% of their time



Thomas et al. 2013

Photos: L. Thomas

Average daily gain = 130 grams/day



Photos: E. Smith



Carter et al. 2013

Village boar



Photo: C. Dewey

Fresh feedstuffs



Photos: C. Dewey and N. Carter

Purchased feedstuffs



- Photos: C. Dewey and N. Carter

Agricultural co-products



Photos: N. Carter

Kitchen scraps and leftovers



• Photos: C. Dewey

Human/pig food/feed competition



Photo: N. Carter

Poor roads



Photos: F. Mutua

Basic or no transportation



Photos: E. Smith, N. Carter, C. Dewey

Finding a solution

- ADG of local and local x exotic pigs
- Nutrient requirements
- Sample feedstuffs and nutrient analysis
- Seasonal availability and cost per kg
- Least-cost balanced diets



Photos: N. Carter

Local diet



Photo: N. Carter

Local and commercial diets





Photos: N. Carter

Silage diet



Photo: N. Carter

Silage diet



• Photos: N. Carter



Photos: N. Carter



Photo: N. Carter

Silage diet



Photo: N. Carter

Preliminary trial results

- Better suited to bigger pigs
- Commercial > silage > local



Workshops



Photo: N. Carter

Workshops



Photos: N. Carter



Photo: C. Dewey

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Questions?



• Photo: N. Carter

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