

# Effect of Agricultural Practices on Crops, Gut Microbiome, and Human Health

NCT07165145

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Status	RECRUITING
Phase	Not Applicable
Sponsor	Amsterdam University Medical Centers (UMC), Location Academic Medical Center (AMC)
Enrollment	44 participants

## Key Eligibility Criteria

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### Inclusion (6)

- Healthy Volunteers : healthy Caucasian adults with a BMI  $< 25 \text{ kg/m}^2$  will be recruited with no medical conditions.
  - Metabolically Impaired Participants: Caucasian adults with a BMI ranging from  $28 \text{ kg/m}^2$  to  $40 \text{ kg/m}^2$  with three components of Metabolic Syndrome, drug-naïve:
  - Elevated waist circumference (WC): with men having WC  $> 102 \text{ cm}$  (40 inches) and women having a WC  $> 88 \text{ cm}$  (35 inches).
  - High Fasting Plasma Glucose (FPG): a fasting plasma glucose level  $110 \text{ mg/dL}$  ( $6.1 \text{ mmol/L}$ )
  - High Fasting Plasma Insulin (FPI): A fasting insulin level  $\geq 25 \mu\text{mol/L}$  (or  $> 16.7 \text{ pmol/L}$ )
- ... and 1 more (see full listing online)

### Exclusion (14)

- Use of antibiotic in the past 3 months or currently taking them
  - Past/ Currently following a vegan, strictly organic or vegetarian diet.
  - History of severe food allergies or intolerances that would render it unsafe for them to consume any of the fruits and vegetables provided. Exclusion will be determined on a case-by-case basis by the investigator.
  - Inability or unwillingness to collect stools.
  - Presence of overt type 1 diabetes mellitus (T1DM) and/or type 2 diabetes.
- ... and 9 more (see full listing online)

## Locations (1 total)

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Amsterdam UMC, locatie AMC, Amsterdam, Amsterdam, Netherlands