

THE MENACE OF COW BURPS

Breeding environment-friendly cows

METHAGENE FOCUS (CH₄)

- ✓ Determining factors
- √ Best proxies
- √ Recording
- √Breeding



CH₄
MOUTH
> 95%

Methane (CH4) is a greenhouse gas (GHG) that contributes to climate change.
With sufficient data, genetic selection could reduce this emission.

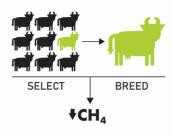
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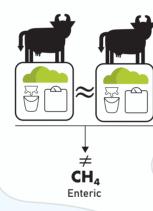
METHAGENE MEMBERS

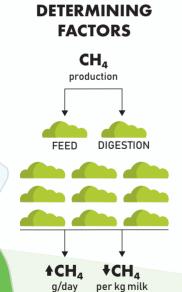


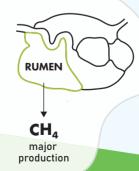
BREEDING

- \checkmark CH, is heritable (10-40%)
- ✓CH₄ intensities reduced in last decades
- ✓ Selection reduces CH₄ production









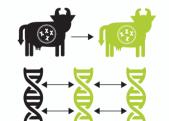
RECORDING

- ✓ Each method has its own specifications
- ✓ Significant underlaying agreement between methods

METHOD	ROBUST	COST	THROUGHPU	INTRUSIVE	ACCURANCY
Respiration chamber	4	₹	₹	(4
GreenFeed	ⅎ			₫	᠘
SF ₆	₫	₽	((₫
Sniffer methods (CH ₄ /CO ₂)	₫	₫	₫	₫	₹

BEST PROXIES

- √ Feed intake
- ✓ Diet composition
- ✓ Rumen
- √ Milk composition
- √ Hindgut
- ✓ Animal itself

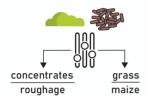




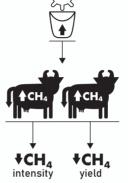


ENVIRONMENT-FRIENDLY COW RECIPE

✓ Optimum diet



✓ Higher milk yield



✓ Optimal rumen microbial population



√ Higher feed efficiency

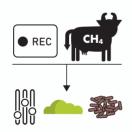


√ The best bull



- production
- 子 fertility
- health

 Record her methane output in a non-invasive way



✓ No system inefficiencies

Fertility
Disease incidences
Replacement rate
Age at first calving

CONTACT DETAILS

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