

FEEDSTOCK PROFILE · NAPIER GRASS

Napier Grass: **simple?**

It looks easy to grow. **The details decide your biogas yield.**



FROM FIELD TO DIGESTER · ILLUSTRATIVE

Methane gets **lost on the way**

In the field

full methane potential

Harvest

timing, low TS

Ensiling

poor fermentation, effluent

Logistics

storage, long transport

In the digester

what you really get

Methane potential



Your biogas yield

Lost methane

■ Usable methane ■ Lost at this step □ Already lost

Same feedstock bill, fewer $\text{m}^3 \text{CH}_4 \rightarrow$ higher cost per $\text{m}^3 \text{CH}_4 \rightarrow$ **less profit.**

Where the **problems** hide



Harvest & DM

Narrow harvest window. Fresh grass is very wet with low DM.



Hard to ensile

Low sugar, high moisture.
Poor fermentation and effluent losses.



Long transport:

no-go

You haul mostly water and lose methane. **Keep fields close to the plant.**

THE BOTTOM LINE

Napier grass is only cheap if **harvest, silage and logistics** are planned right.