# BIOGAS MAIZE

Throughout the E.U maize is the main plant based raw material for biogas production through anaerobic digestion.

To be able to supply the required quantities of biomass, biogas production needs to achieve as high an efficiency level as possible using the whole plant.

MAXIMUM ENERGY PER/HA

Energy maizes provides higher fresh and energy yields than traditional forage varieties. In this way maximum methane yields are directly linked to total yield potential.

## PIRRO (BIOGAS F.A.O 190)

- Highest dry matter yield in Kingshay independant maize trials 2014
- Highest yielding variety in all NIAB UK at 121% (forage 2013)
- Uniquely has higher dry matter % and yield
- Reliable cob setting produces enclosed well filled heavy cobs
- High NIAB scores for early vigour
- High in vitro digestibility of organic matter at 74.1%
- Did extremely well in all Biogas situations 2013/14
- Can be used for bulk forage production if required (31.1% DM @ 19.7 t/DM/ha)
- Large structured plant with excellent standing power
- Extremely good early vigour improves establishment, especially on marginal sites

PIRRO maize

Bred by saatbau linz®

### European Results

| Variety | DM % | Total DM Yield % | Total Fresh Yield t/ha % | Plant Height cm |
|---|---|---|---|---|
| Pirro | 28.7 | 102 | 104 | 278 |
| Ronaldinio | 26.5 | 103 | 104 | 263 |
| Fabregas | 26.5 | 100 | 101 | 262 |
| Ambrosini | 26.9 | 100 | 101 | 259 |

### 2014 NIAB Forage/Biogas Results

| Variety | DM % | DM Yield % | Fresh Yield t/ha |
|---|---|---|---|
| Pirro | 31.1 | 109 | 61.5 |
| Alfastar | 30.2 | 111 | 60 |
| Ambronsini | 30.0 | 113 | 60 |
| Hobbit | 29.7 | 109 | 58.5 |