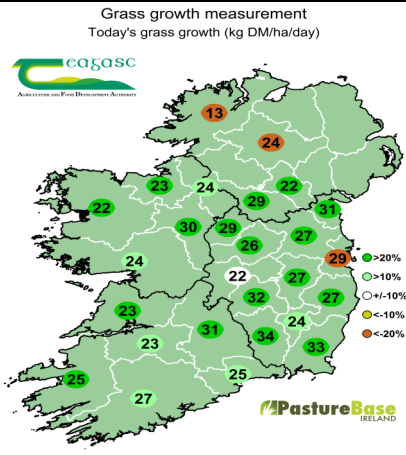


2nd November 2021

PastureBase data from dairy farms:



AFC	Cover/LU	Stocking Rate	Growth	Demand	Grass DM + Silage DM + Concentrate	Pre Grazing Yield
734 Kg DM/Ha	257 Kg DM/LU	2.85 LU/ha	28 Kg DM/ha	35 Kg DM/ha	12 Kg + 3 Kg + 3 Kg	2003 Kg DM/Ha

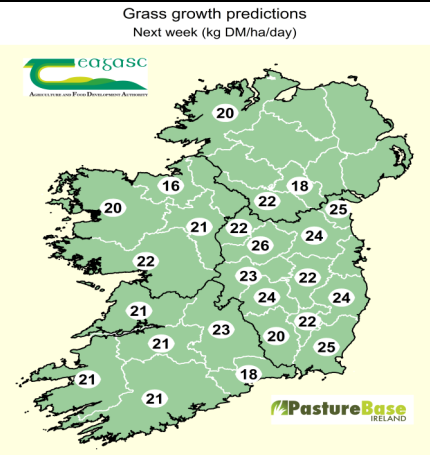


On the left: counties map showing **current** grass growth rates over the last week.

On the right: counties map showing **predicted** grass growth over the next 7 days from farms involved in Elodie Ruelle's MoSt grass growth model (55 farms).

Predicted Growth Rate:

Ballyhaise 21 kg DM/ha
 Wexford 25 kg DM/ha
 Athenry 22 kg DM/ha
 Clonakilty 21 kg DM/ha



Keeping Eyes on the Prize in Carlow

Father and son, Larry and Conor Murphy farm outside Tullow, Co. Carlow. They plan to milk 128 cows next year at 3.0 LU/ha on the milking platform. Farming on dry soils, the Murphy's try to make the most of the shoulders of the year, as summer growth can be restricted due to moisture deficits.



"Our target is an AFC 750 Kg DM/ha on December 1st. We are calving from the end of January with just over 90% calved in 6 weeks. This means a high demand for grass especially when we can graze every day. We didn't miss a days grazing last spring."

Conor has calculated that their demand of 20 kg DM/ha/day needs growth at 13kg DM/ha/day for the next 18 days to achieve an AFC around 650 Kg DM/ha on 20th Nov, allowing 10 days recovery to reach 750 Kg DM/ha on Dec 1st (10 days x growth 10 kg/day = +100 kg DM/ha).

"Cows are getting silage for the past 3 weeks to stretch grass. They were getting 3 kg DM silage per cow but we upped this to 6 kg DM about 10 days ago. We grazed fulltime through the heavy rain last week, but cows are going in Wednesday night, and will remain out by day until 20th November. We use 12-hour allocations to get good clean outs."

"Cows are milking well at 1.49 Kg MS/cow from 3 kg meal. We dried off 16 first calvers on 1st November that are calving early next spring this is helping us stretch grass."

The Murphy's are soil testing the silage block this winter and to date have applied 120T lime this year mainly to reseeded silage ground but also on the milking platform.

Murphy's PBI Data	
AFC	775 kg DM/ha
Cover/LU	343 kg DM/cow
Growth	21 kg DM/ha/day
Demand	20 kg DM/ha/day
PGY	1500 kg DM/ha

Grass Dry Matter %	
Moorepark:	13.2% (dry, 1500 Kg DM/ Ha)
Clonakilty:	14.5% (sunny, 1400 Kg DM/ha)
Athenry:	12% (wet, 1600 Kg DM/ha)

Grass10 Grazing Tips for the week:

- Heavy rainfall in most areas has made grazing conditions very difficult. Use on-off grazing to try keep grass in the diet, house heavier animals and keep lighter ones out. Avoid poaching.
- Where AFC is high, reduce silage and graze on - low rainfall forecast for many areas.
- If animals are still grazing, weekly farm walks are critical to reach the right closing AFC on December 1st (see table below). E.g. If AFC target 700 kg DM/ha on Dec 1st. The AFC on 10th Nov should be 500-550 Kg DM/ha (20 days x 10 kg DM/day = + 200 Kg DM/ha).
- Do not be tempted to re-graze closed paddocks. Focus on the target AFC on Dec 1st. Keep AFC above 500 Kg DM/ha or else your farm growth rates will be reduced.
- Monitor AFC vs. grass budget on PBI.
- Begin to analyse your PBI data using the reports section.

Stocking Rate	Average Farm Cover on Dec 1st	Covers on Strongest Paddocks
2.5 LU/ha	600	~ 1200 Kg DM/ha
3.0 LU/ha	650-700	~ 1400 Kg DM/ha
3.5 LU/ha	700-750	~ 1600 Kg DM/ha

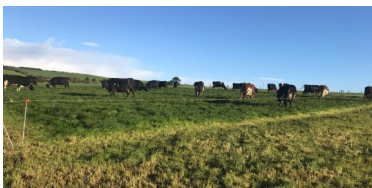
PastureBase data from sheep & beef farms:

2nd November 2021

AFC	Days Ahead	Stocking Rate	Growth	Demand	Pre Grazing Yield
734 Kg DM/Ha	31 days	1.65 LU/ha	23 Kg DM/ha	23 Kg DM/ha	1877 Kg DM/ha

Clonakilty Agricultural College 01/11/2021 - Brian McCarthy

With the wet weather last week, cows were housed for a short period but are back out grazing fulltime again this week. Growth rate has dropped to around 20 kg DM/ha per day but average farm cover is on target for the Grass-only 250 kg N/ha treatment are on 14 kg DM of grass and 3 kg of concentrate. Average farm cover is slightly below target for the Grass-clover 150 kg N/ha treatment so these cows are getting 3 kg of silage as well as 3 kg of concentrate. We have 75% of the area grazed for each treatment, which is slightly ahead of our target of 65%.



	Grass-only 250 kg N/ha	Grass-clover 150 kg N/ha
Date	01/11/2021	01/11/2021
Average farm cover (kg DM/ha)	834	749
Cover/LU (kg DM/LU)	302	271
Growth (kg DM/ha per day)	23	20
Demand (kg DM/ha per day)	39	30
Stocking rate (cows/ha)	2.76	2.76
Pre-grazing yield (kg DM/ha)	2,300	2,000
Cow diet	14 kg DM grass + 3 kg concentrate	11 kg DM grass + 3 kg silage + 3 kg concentrate
Milk yield (kg)	11.8	13.2
Fat content (%)	5.30	5.35
Protein content (%)	4.58	4.49
Milk solids yield (kg)	1.15	1.30

GFOY Update: Pat Collins - Cattle (Non-Suckling) Category Winner

"The weanling bulls are being housed today. They haven't been settled the past week with all the poor weather and poor underfoot conditions."

"Heifers and bullocks will be out grazing for another month or so on the silage ground."

"It wasn't perfect but you'd probably settle for an autumn like this any year!"



Rotation No.	10
AFC	671 Kg DM/Ha
Days Ahead	22 Kg DM/Ha
Growth	39 Kg DM/Ha
Demand	31 Kg DM/Ha
Stocking Rate	2.07 LU/Ha
PGY	1400 Kg DM/Ha
Tonnage YTD	14.4 T DM/Ha

PastureBase Ireland Mapping Tool

The new mapping function is found in the 'FARM' option on the left hand menu on the browser (www.pbi.ie). With the use of Google maps each farmer can draw the outline of each paddock and the area in hectares is also calculated. Once an existing PBI user draws a paddock, this shape can then be linked to an existing paddock. There are many advantages of creating a farm map, these include; area of each paddock more accurate, able to display different results on a colour coded map, better visual aid leading to better communication with others on the farm. Farmers will also be able to print off a map farm with different parameters displayed on it in the coming weeks. We encourage all users to start mapping their farm today!

