

Thursday 06 April 2017 - 09:00

Thursday 06 April 2017

Gortnacloy, Elphin, County Roscommon, IRELAND

📍  
**Soil profile, 6th april 2017 at Mr Murray's  
farm in county roscommon, Ireland**

---

*"Good grass, good yields, healthy animals,  
along with Bacteriosol and Bacteriolit"*



## Conclusions:

The first signs showing that Joe's field are healthy are all the chicken weed which are a sign of well balanced and fertile soil. The number of worms that could be seen when turning over a cow dung was unbelievable. Life has come back to Joe's field, improving the fertility and drainage of the soil. Grass is growing. In 2016, on the field where we dug the profile, Joe has produced 12.5 t of dry matter / ha where 2 years ago there was nearly no grass growing..

Good grass, good yields, healthy animals, along with Bacteriosol® and Bacteriolit® Joe Murray has adopted a farm management which places him a step ahead. He is no longer looking back to former solutions of fertilisation, he is now looking at the future, farming naturally with fewer inputs while maintaining his yields and increasing his quality.

Plants bio indications, what do those plants say about your soil?  
"Chickenweed" or Stellaria Media

Annual grass

Active mineralisation of the organic matter by aerobic bacteria

Liberation of nitrates

Well balanced Soil



Find testimonies on [www.bacteriosol-sobac.com](http://www.bacteriosol-sobac.com)  
SOBAC - ZA - 12740 LIOUJAS- FRANCE - TEL. +33 (0)5 65 46 63 30 - [contact@sobac.fr](mailto:contact@sobac.fr)



## SOIL PROFILE

6<sup>th</sup> APRIL 2017

Joe MURRAY

Gortnacloy, Elphin,  
County Roscommon



Suckler farm



Joe started using Bacteriolit® and Bacteriosol® in 2015 because his land was not performing. He is heavily stocked with 2,2 LSU/ha. He though there was no life in his soil, he could not find a worm in the field. He was willing to try anything to get his grass growing. After 2 years, we dug a profile to see how the soil had evolved.

## SOIL MEASURES

### Temperatures:

The air temperature when taking the measures was 9.1° C

	SOBAC
10	9
30	9
50	8.8
100	8.3

### Conclusions:

The soil temperature is warm enough to have growth. It is regulated down to 50 cm which does not creates a stress for the roots.

The oxygen is circulating well which means that the soil is porous and has a good structure.

**Worms:** 168 per m2, many worms were seen while digging and beneath the cow dungs.

**Roots:** The roots are very developed as deep as 45 cm and some roots are even developed down to 120 cm.

Here are the results:

## SOIL STRUCTURE

	SOBAC
0	A lot of roots
10	A very dark brown soil = humus
20	Many hairy roots Clearer colour
30	We can see iron rusting which means that oxygen is present in the soil
40	Humic soil all around the roots A lot pf worm galleries
50	
60	
70	Some stones
80	Some small roots going through the stones and as deep as 120 cm
90	
100	
110	
120	



- **Brendan O'TOOLE: 087 952 90 64**  
- **Mail : [bren.otoole99@gmail.com](mailto:bren.otoole99@gmail.com)**