



Growing Forage in the "Orange Triangle"

•home

Tim Downes











Forage Analysis Report

Hi Peak Feeds Limited

Farm MR TIM DOWN

SHREWSBURY

Reference R. POYNTON

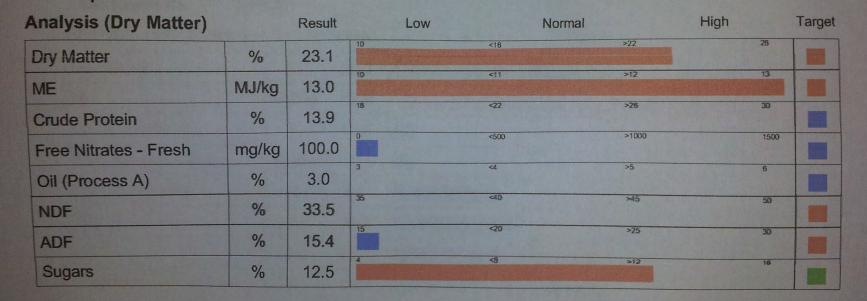
Forage Type FRESH GRASS

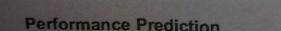
Variety Additive

Date Received 15/05/12 Lab Report No. L451004

Independently Analysed by Frank Wright Ltd.

Hi Peak Feeds





22.00

Total Grass Weight

No. of Handfuls

Grass DM Intake	kg/day	32	<10	>13	16	

76.18 g

Hours At Grass

12.00 Hrs



Analysis Results (SOIL)

Customer

J&T DOWNES LONGNOR

Distributor

ANDREW & DAVID DUTTON LTD

MARTON HOUSE

MARTON BASCHURCH SHREWSBURY SHROPSHIRE

SY4 2BZ

Sample Ref Sample No POPLARS E062470/04

Crop

GRASS (CATTLE)

Date Received 10/

10/12/2013

Analysis	Result	Guideline	Interpretation	Comments
оН	5.5	6.0	Slightly Low	Refer to Lime Requirement.
Phosphorus (ppm)	8	16	Very Low	(Index 0.8) 80 kg/ha P2O5 (64 units/acre).
Potassium (ppm)	88	181	Low	(Index 1.4) 30 kg/ha K2O (24 units/acre). Avoid applications in Spring if there is a history of Hypomagnesaemia.
Magnesium (ppm)	158	51	Normal	(Index 3.7) Adequate level.
Calcium (ppm)	1887	2000	Slightly Low	Low priority. If ph low use Calcium Limestone.
Sulphur (ppm)	8	10	Slightly Low	Consider treatment for optimum grass growth.
Manganese (ppm)	31.6	5.0	Normal	Adequate level.
Copper (ppm)	4.1	8.0	Low	PRIORITY FOR LIVESTOCK HEALTH.
Boron (ppm)	1.34	0.50	Normal	Adequate level.
Zinc (ppm)	4.8	7.0	Low	PRIORITY FOR LIVESTOCK HEALTH.
Molybdenum (ppm)	0.02	<0.50	Slightly Low	No problems anticipated.
Iron (ppm)	732	50	Normal	Adequate level.
Sodium (ppm)	33	90	Very Low	PRIORITY FOR LIVESTOCK HEALTH.(see comments below).
C.E.C. (meq/100g)	15.8	15.0	Normal	Cation Exchange Capacity indicates a soil with a good nutrient holding ability.
Organic Matter (%)	6.9	3.0	Normal	Adequate level.
Lime Req. (t/ha)	4.0			

P-Plus Report

Select Graph

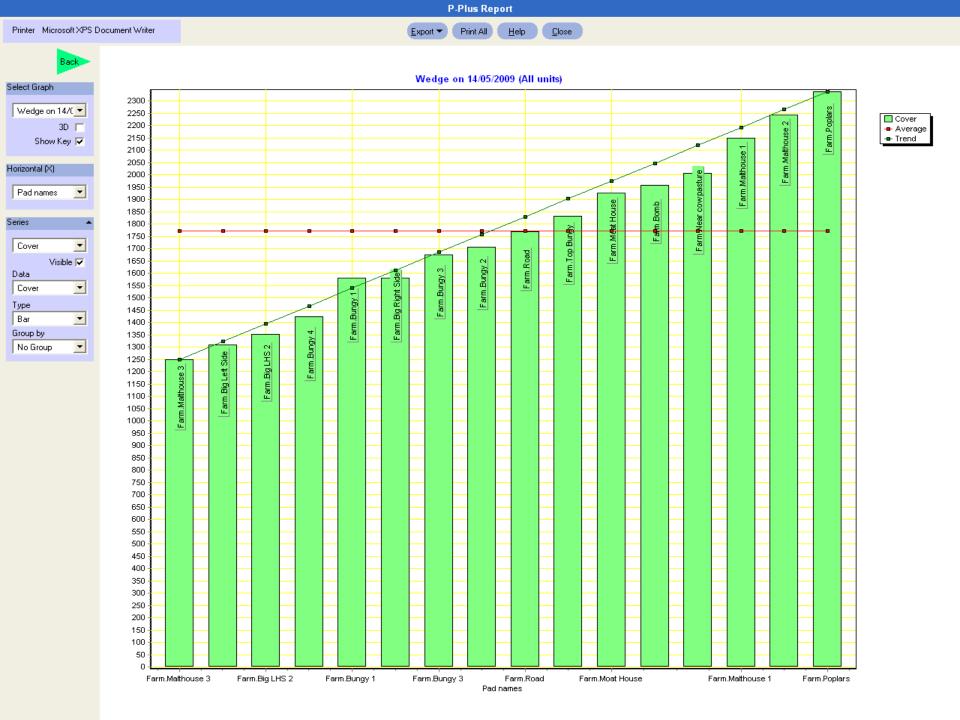
Horizontal (X) Date

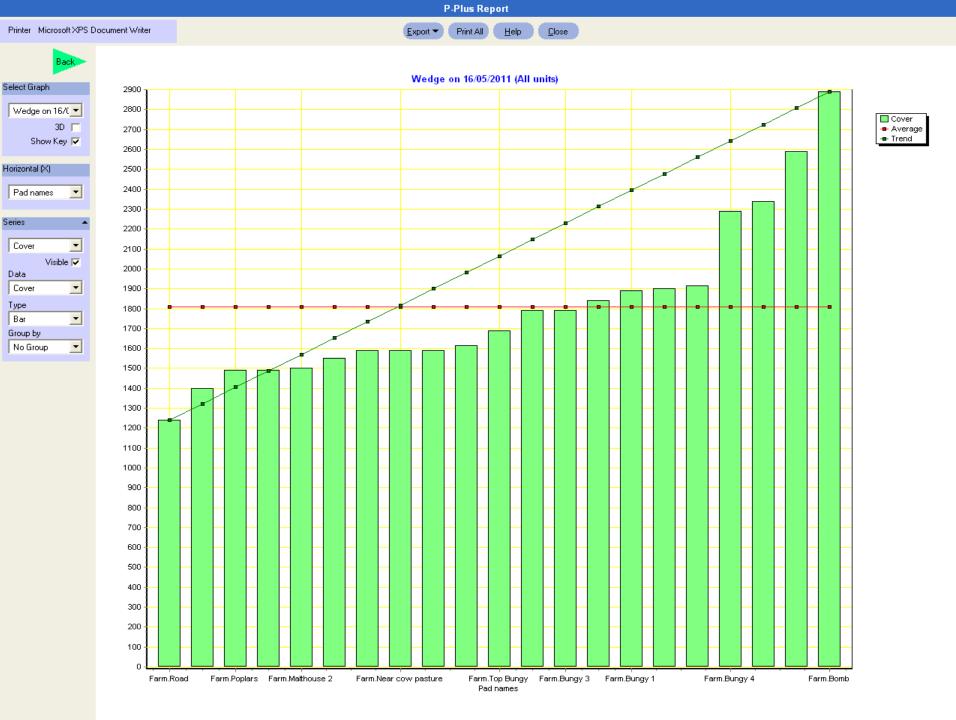
Series 2013

> Data Y0

Туре Line

Group by No Group





Series

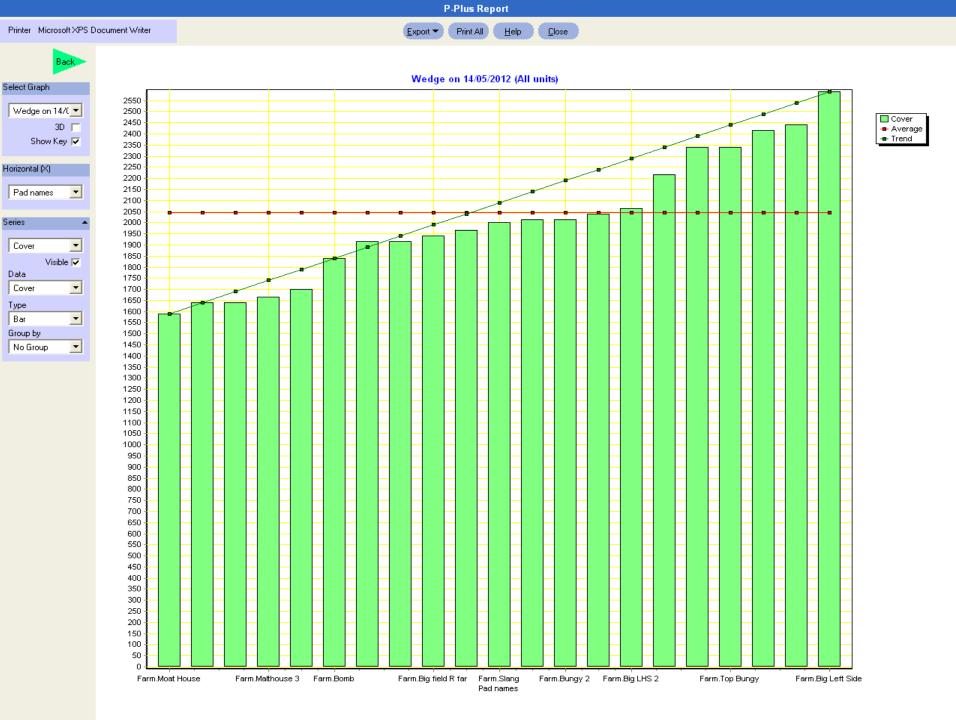
Cover

Data

Cover

Туре

Bar



Series

Data

Туре

Bar

P-Plus Report

Cover

Average - Trend

Select Graph

Horizontal (X)

Pad names

Series

Cover

Data

Туре

Bar

Group by

No Group

Cover

Aims

- Reduce energy consumption per unit of food produced
- To increase soil Organic Matter %
- Maintain good soil structure
- Use composted manures and avoid acid load
- Graze animals from February to November

How We Do It?

- Lower input organic farming system
- Rotational paddock 12hour grass allocation. Platemeter measurements
- "On-off" grazing
- "Deferred" grazing
- "Extended" grazing
- Soil aeration









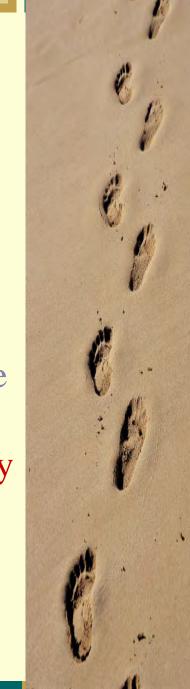






Summary

- Use a spade to determine compaction
- Soil test
- Reduce pasture damage
 - Regular animal moving
 - Trough and shelter management
- Use High sugar grasses to balance available
 N and Energy
- Chinese proverb "Man who keep feet firmly on the ground have trouble putting on their pants"





Working with Soils: Soil Biology & Nutrient Management Workshop 12 March 2014 10:00 - 12 March 2014 15:00 Longnor Village Hall, Longnor, SY5 7PP

This event will also include a farm walk at The Farm, Longnor, with the kind permission of Tim Downes and family.

The workshop is aimed at all livestock and arable farmers and is designed to help you to improve soil performance on your farm.

We have brought together two experts, Roger Hitchings and John Morgan, to explain how you can do this on your farms. In addition we will be hearing from our host Tim Downes on how he manages to maximise the potential of his soils and forage production for the dairy herd at The Farm.

The session will:

- Inspire you to develop a better understanding of soil and the benefits that healthy soils have on your farming system
 - Highlight ways that you can Increase your farm profitability through efficient use of nutrient resources



