

Westland Monitor Farm Project

Weekly Update as at week ending Wednesday 14th March 2018

CO comment

The West Coast monitor farm field days are coming up this week.

Wednesday 21 March – Westport; Cheryl Gallagher, 76 Victoria Road, Westport. SN 775

Thursday 22 March - Ikamatua; Andrew Mirfin, Mirfins Road, Ikamatua. SN 449

Friday 23 March – Kowhiterangi; Tane and Rachel Little; 171 Whitcombe Valley Road, Kowhiterangi Supply Number 215

Come along and see what changes did the monitor farms make to their management system & what impact did it have on production & profitability?

How can this help in setting up a robust farming system and effective risk management strategy?

Guest speaker Dr. Warren King, from AgResearch

Senior Scientist and Science Impact Leader in the Farm Systems Team, based at Ruakura in Hamilton. His research is focused on the ecology and management of grazed pastures, and includes pasture establishment, persistence, diversity and production as well as the interaction with the environment. Working with the dairy, sheep and beef and dairy goat industries, assessment of the value that pastoral technologies generate is a key theme that runs through his work.

Dr. King will answer questions relating to issues you are facing with pasture persistence, discuss trial work being undertaken in this area and any opportunities for future trials on the West Coast.

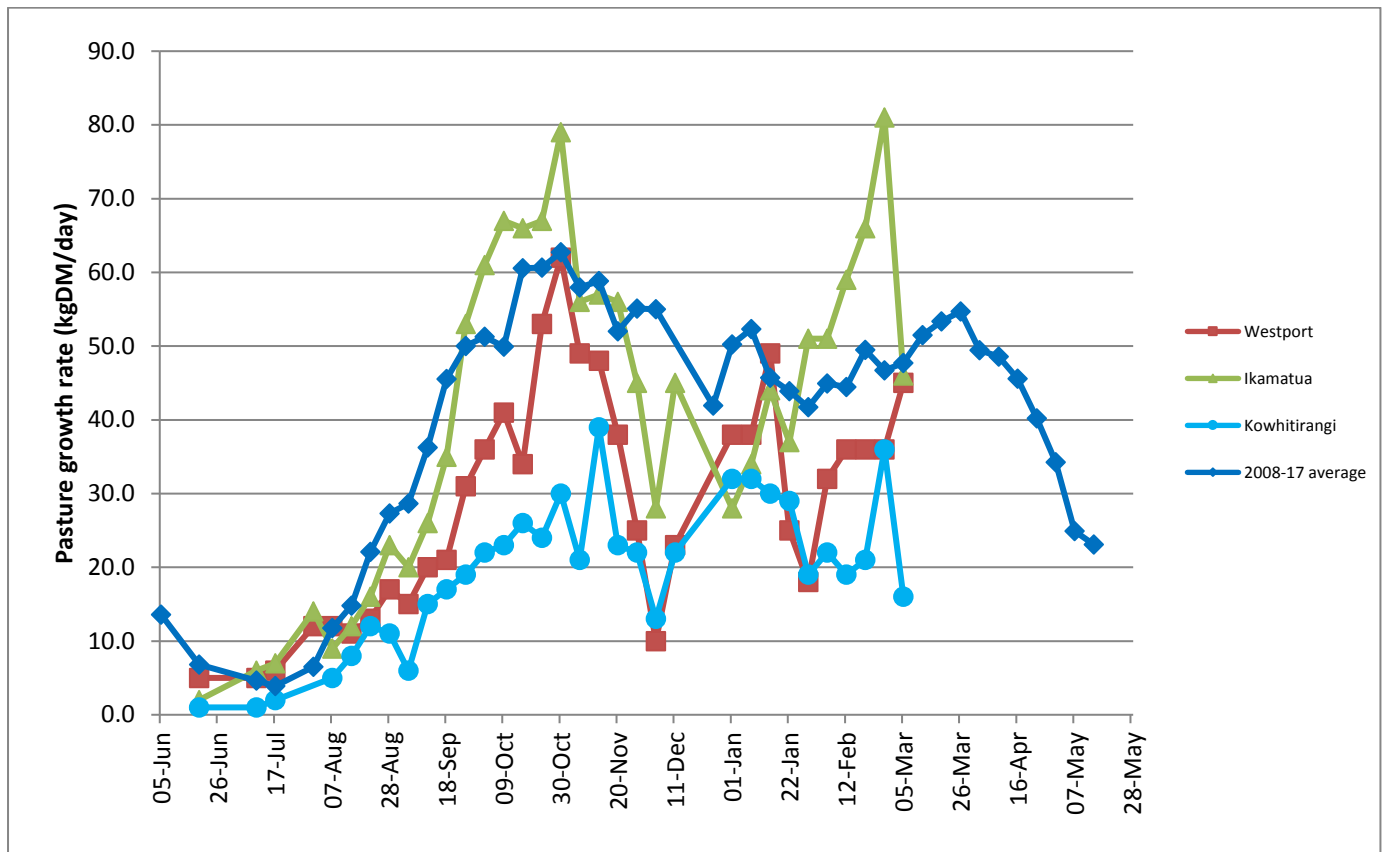
Farm Summary

| | Westport | Ikamatua | Kowhiterangi |
|------------------------------------|----------|----------|--------------|
| Average cover (kg DM/ha) | 2078 | 1959 | 1923 |
| APC | 2002 | 2179 | 1935 |
| Rotation length (days) | 21 | 20 | 26 |
| Stocking rate | 2.9 | 2.7 | 2.4 |
| Percentage in milk | 100 | 100 | 100 |
| Milksolids kg/cow | 1.28 | 1.53 | 1.35 |
| Milksolids kg/ha | 3.3 | 4.1 | 2.9 |
| MS/cow (season to date) | 317 | 383 | 276 |
| MS/ha (season to date) | 926 | 1030 | 659 |
| | | | |
| N (kg/ha) year to date | 143 | 140 | 88 |
| Current N application rate kg N/ha | 20 | 30 | None |
| | | | |
| | 5 March | 6 March | 7 March |

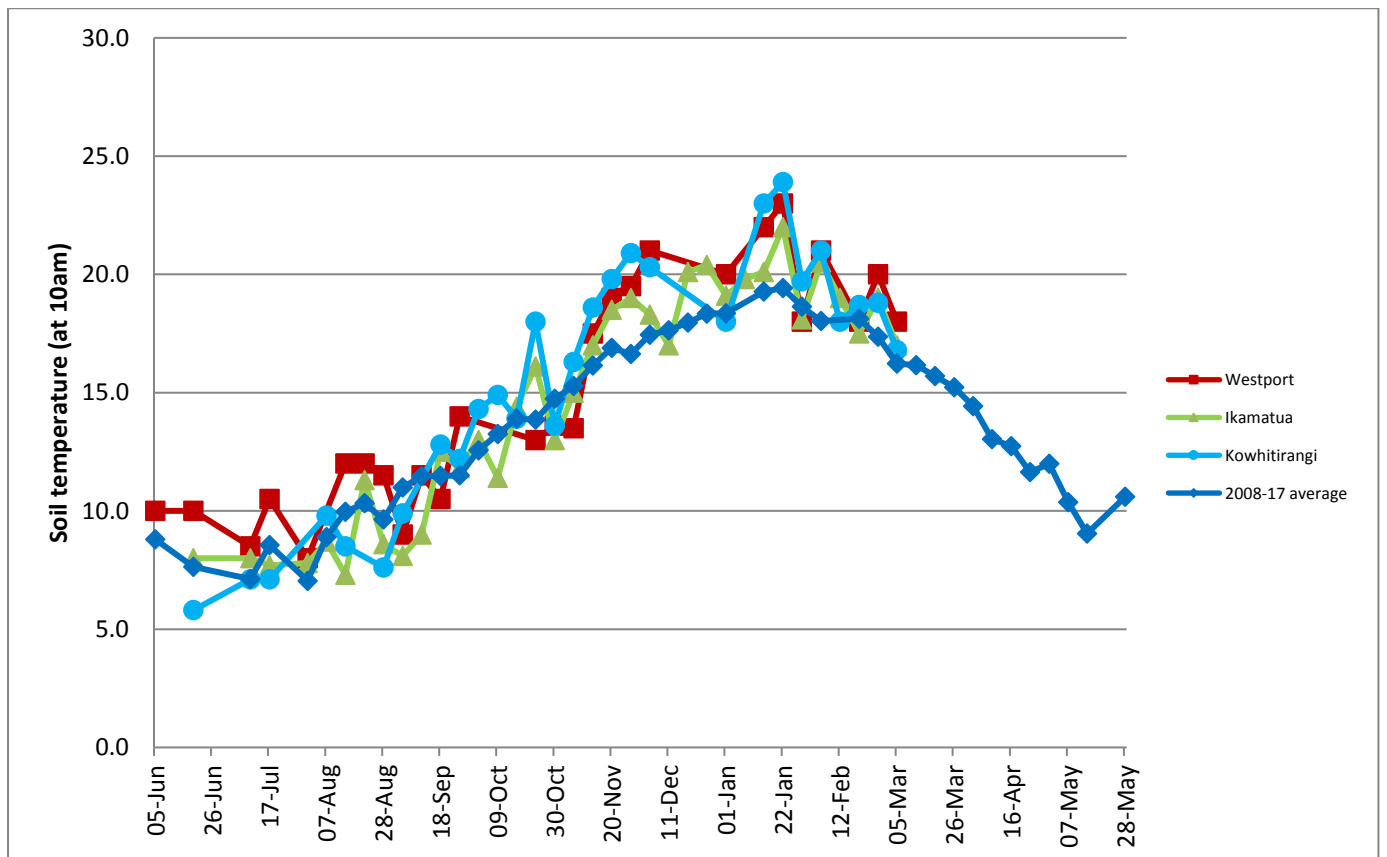
| | | | |
|-----------------------------|---------------|---------|------------|
| DM% | 10.6 | 11.2 | 13.7 |
| Pasture ME | 12.4 | >12.7 | >12.7 |
| Pasture NDF | 48.5 | 49.5 | 46.8 |
| Pasture CP | 29.3 | 33.8 | 31.7 |
| | | | |
| Target Intake (kg DM/cow/d) | 18 | 18 | 18 |
| Supplement (kg/cow/day) | 3 | 2 | 1 |
| | | | |
| Soil temperature (°C) | 18 | 17 | 16.8 |
| Growth Rate (kg DM/day) | 45 | 46 | 16 |
| Rainfall | 8 | 11 | 20 |
| Conditions for farmwalk | Fine and warm | Raining | Fine, just |
| Comments | | | |

NB: pasture quality data are for 1 sample collected from each farm

Weekly Pasture Growth Rates

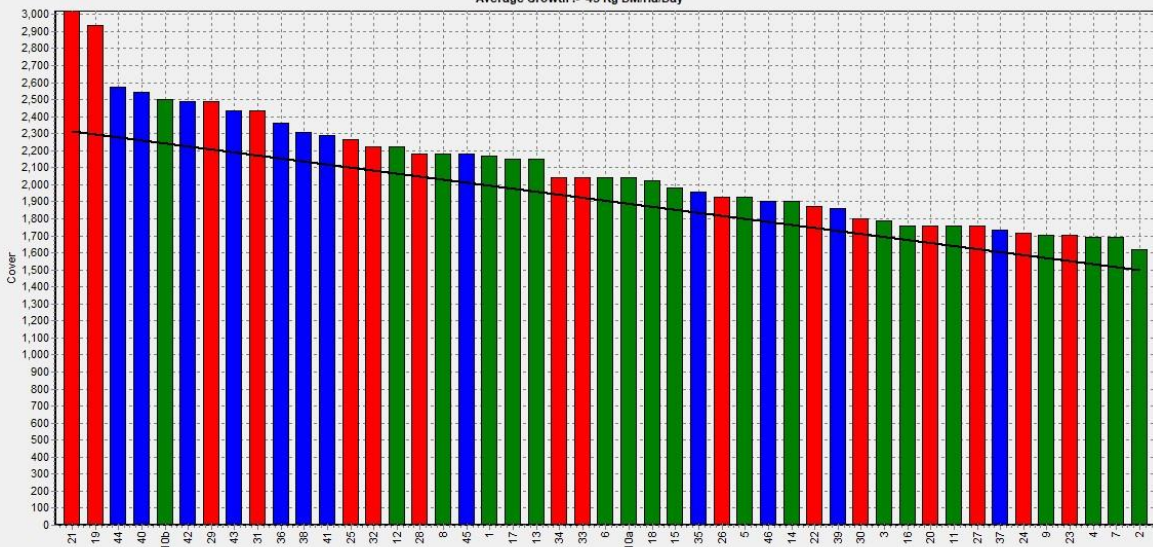


Weekly Soil Temperature



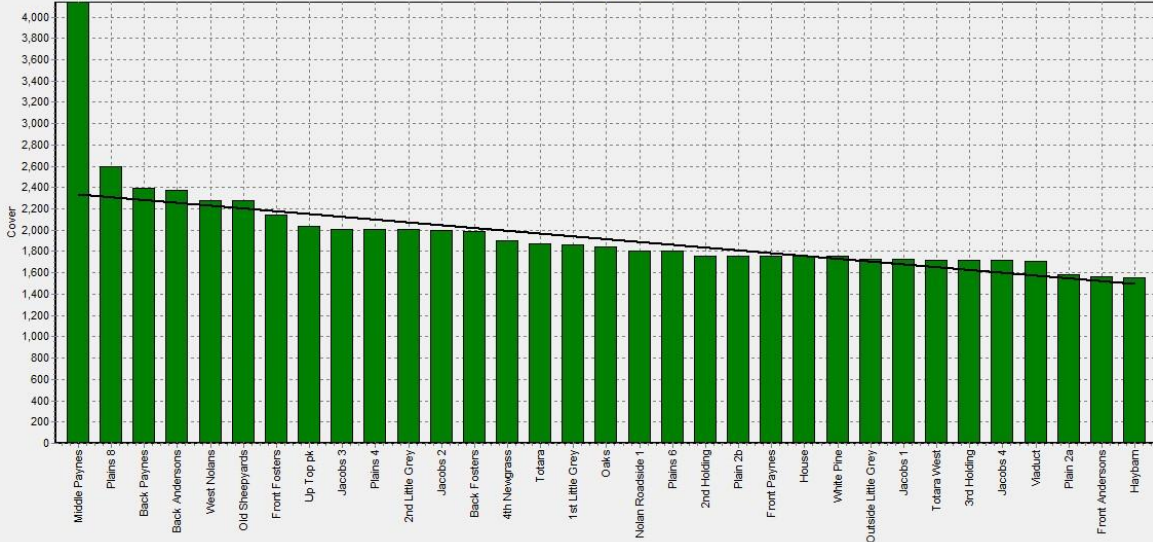
Westport

Farm Name: ADRIAN & CHERYL GALLAGHER
 Date Read : 12/03/2018
 Average Cover : 2078 Kg DM/Ha
 Average Growth : 45 Kg DM/Ha/Day



Ikamatua

Farm Name: ANDREW_NIKI_MIRFIN
 Date Read : 13/03/2018
 Average Cover : 1959 Kg DM/Ha
 Average Growth : 46 Kg DM/Ha/Day



Kowhitirangi

Farm Name: TANE & RACHEL LITTLE
 Date Read : 14/03/2018
 Average Cover : 1923 Kg DM/Ha
 Average Growth : 16 Kg DM/Ha/Day



Westport

| Description | Date | RPM | % DM | % Prot | % Lipid | % ADF | % NDF | Sol Sugar | OMD % | MJME /kg |
|-------------|------------|------|------|--------|---------|-------|-------|-----------|-------|----------|
| 42 | 5/6/2017 | 10.0 | 16.7 | 37.8 | 5.4 | 20.4 | 43.6 | 5.1 | >85 | >12.7 |
| 44 | 3/8/2017 | 14.8 | 20.0 | 27.3 | 5.2 | 22.9 | 46.4 | 8.0 | 84.6 | 12.4 |
| 4 | 4/9/2017 | 10.3 | 15.4 | 31.9 | 5.3 | 22.4 | 42.2 | 5.9 | 88.5 | 12.9 |
| 26 | 3/10/2017 | 13.8 | 11.8 | 30.1 | 3.8 | 23.7 | 49.8 | 5.5 | 91.2 | >12.7 |
| 40 | 30/10/2017 | 11.4 | 13.5 | 26.9 | 10.9 | 40.0 | 6.4 | | | 11.8 |
| 3 | 4/12/2017 | 11.7 | 21.3 | 17.9 | 3.4 | 30.0 | 57.3. | 11.7 | 79.5 | 11.6 |
| 46 | 15/1/2018 | 10.7 | 15.6 | 30.6 | 3.2 | 26.8 | 58.1 | 1.1 | >85 | 12.4 |
| 5 | 5/2/2018 | 11.3 | 16.3 | 27.3 | 2.7 | 27.7 | 55.3 | 4.5 | 80.6 | 11.8 |
| 30 | 5/3/2018 | 11.4 | 10.6 | 29.3 | 2.1 | 27.6 | 48.5 | 1.3 | 85 | 12.4 |
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Kowhitirangi

| Description | Date | RPM | % DM | % Prot | % Lipid | % ADF | % NDF | Sol Sugar | OMD % | MJME/kg |
|-------------|-----------|------|------|--------|---------|-------|-------|-----------|-------|---------|
| 6 | 7/6/2017 | 10.1 | 15 | 24.2 | 5 | 18.8 | 34.9 | 18.8 | >85 | >12.7 |
| 10 | 3/8/2017 | 10.7 | 17.6 | 21.0 | 4.7 | 25.2 | 44.8 | 15.4 | 80.9 | 11.6 |
| 21 | 6/9/2017 | 10.6 | 15.4 | 23.6 | 3.8 | 22.8 | 42.4 | 14.3 | 89.1 | >12.7 |
| 4 | 5/10/2017 | 9.9 | 13.8 | 21.5 | 4.4 | 21.3 | 37.9 | 16.1 | 89.0 | >12.7 |
| 2 | 1/11/2017 | 10.4 | 15.6 | 21.0 | 9.5 | 41.6 | 11.2 | | | 12.1 |
| 33 | 6/12/2017 | 12.3 | 19.1 | 24.6 | 4.2 | 24.3 | 55.1 | 9.2 | 84.9 | 12.4 |
| 27 | 17/1/2018 | 14.3 | 12.0 | 27.5 | 3.9 | 25.4 | 53.8 | 4.3 | 84.2 | 12.3 |
| 16 | 7/2/2018 | 13.9 | 14.6 | 24.1 | 3.4 | 25.9 | 47.8 | 6.2 | 81.4 | 11.9 |
| 52 | 7/3/2018 | 12.7 | 13.7 | 31.7 | 4.4 | 23 | 46.8 | 5.2 | 89.9 | >12.7 |
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