

**Peracto New Zealand Ltd**

**Evaluation of Gibboost and EnergHi for pasture Response**

Location: Pukekohe Trial Year 2013

| Rating Date                  | 21/05/2014   | 21/05/2014 | 21/05/2014 | 21/05/2014 | 4/06/2014 | 4/06/2014 | 4/06/2014 |          |
|------------------------------|--------------|------------|------------|------------|-----------|-----------|-----------|----------|
| Rating Type                  | CROPST       | HEIGHT     | DM         | KG DM/Ha   | HEIGHT    | DM        | KG DM/Ha  |          |
| Rating Unit                  | meter kg     | meter cm   | %          |            | meter cm  | %         |           |          |
| Days after First/Last Applic | 1414         | 1414       | 1414       |            | 2828      | 2828      |           |          |
| Treatment Name               | Rate Unit    |            |            |            |           |           |           |          |
| Untreated                    |              | 18780 b    | 10.10 b    | 18.52 a    | 458.86 b  | 12.18 b   | 19.90 a   | 482.74 b |
| Gibboost                     | 8.1g ai/ha   | 2350.80 a  | 13.22 a    | 17.36 a    | 665.17 a  | 16.94 a   | 19.14 a   | 919.14 a |
| EnergHi                      | 0.375g ai/ha |            |            |            |           |           |           |          |
| Surfactant                   | 0.025% v/v   |            |            |            |           |           |           |          |
| ProGibb                      | 8.0g ai/ha   | 2222.00 a  | 12.30 a    | 18.40 a    | 547.69 b  | 13.86 ab  | 18.90 a   | 729.89 a |
| Surfactant                   | 0.025% v/v   |            |            |            |           |           |           |          |
| Tukey's HSD P=.05            |              | 237.653    | 1.523      | 1.901      | 114.095   | 3.424     | 3.695     | 205.458  |
| Standard Deviation           |              | 131.618    | 0.844      | 1.053      | 63.189    | 1.896     | 2.046     | 113.788  |
| CV                           |              | 6.12       | 7.1        | 5.82       | 11.34     | 13.24     | 10.6      | 16.02    |
| Replicate F                  |              | 1.18       | 1.847      | 4.34       | 2.506     | 0.644     | 0.269     | 1.427    |
| Reclicate Prob(F)            |              | 0.3888     | 0.2134     | 0.037      | 0.1251    | 0.6464    | 0.8897    | 0.309    |
| Treatment F                  |              | 17.244     | 18.061     | 1.836      | 13.411    | 8.103     | 0.325     | 18.486   |
| Treatment Prob(F)            |              | 0.0013     | 0.0011     | 0.2206     | 0.0028    | 0.0119    | 0.7314    | 0.001    |

Means followed by same letter do not significantly differ (P=.05, Turkey's HSD)

Mean comparisons performed only when AOV treatment P(F) is significant at mean comparison OSL.

|                  | Untreated | ProGibb | Gibboost-EnergHi |
|------------------|-----------|---------|------------------|
| KG DM/Ha 21/5/14 | 459       | 548     | 665              |
| KG DM/Ha 4/6/14  | 483       | 729     | 919              |

