



Plant Research (NZ) Ltd.

BOLT – Forage / Grain Triticale

Key Features:

BOLT is a new variety from Plant Research Ltd's doubled haploid cereal programme and is the only DH triticale available in NZ.

BOLT is a medium height, very uniform, medium maturing awned forage / grain triticale. **BOLT** has very long heads and thick, strong stems. It grows quickly from an autumn planting (see image below). To date we have seen no agronomic weakness in relation to lodging or disease.

BOLT has good tolerance to stripe rust and to date, one spray has been sufficient to control this disease

Growth of **BOLT** during the winter is faster than Doubletake



Growth characteristics of **BOLT** (Ashburton – June 2008)

BOLT is being targeted for use as a winter sown forage triticale that will grow faster than Doubletake triticale. PRL's existing triticale variety Bullion has broken down to rust

along with all other commercial triticale varieties grown in New Zealand. BOLT is not completely resistant but at present only requires one fungicide application.

BOLT grain has high ME values (>13 *ARL Laboratories Ltd*)

Nutritional Data:

Table 1. **BOLT** nutritional analysis (grain ex 2007/08 season).

| Test | Result |
|-------------------|--------|
| DM % w/w | 90.5 |
| CP % w/w DM | 10.5 |
| Lipid % w/w/ DM | 2.1 |
| Ash % w/w DM | 5.3 |
| ADF % w/w DM | <1 |
| NDF % w/w DM | 5.7 |
| ME (est) MJ/kg DM | >13 |

Nutritional analysis conducted by Analytical Research Laboratories Ltd.

Grain yields of BOLT in Dunsandel last season from a winter planted, irrigated site were approximately 10 mt/ha

Further information on this cultivar characteristics should be directed to

Adrian Russell
Plant Research (NZ) Ltd
(03) 325 7031
Email: plantresnz@xtra.co.nz

Disclaimer:

While every care has been taken to ensure the accuracy and reliability of the information presented, Plant Research Ltd take no responsibility for the consequences that may arise from the acceptance of these recommendations as many other factors may come into effect. Always seek professional advice for critical work or where you are unsure of any stated data or information. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by many means, without the prior written permission of the copyright holders.

© Plant Research (NZ) Ltd 2008.