**BBRO PROJECT REPORT FORM**

**Please note the details on page 2 will be used to formulate the BBRO printed Annual Report.**

|  |
| --- |
| **Project Title: Comparison of soil and foliar applied nutrition to improve yields** |
| **BBRO project no:**  |  |
| **Project sponsor:**  | **Dr Simon Bowen** |
| **Interim report / Final report** (delete as appropriate) |
| **Project lead or student name:** |  |
| **Project mentor or supervisors:** |  |
| **Report Date:** |  |
| **Reporting period covered:****(e.g. 1/1/16 - 31/12/16)** | **Growing season 2018.** |
| **Timeline (e.g. Year 1 of 4)** | **Year Year 1 of 1** |
|  |
| BBRO use only | Date assessed:  |
|  Assessors comments |  |
|  Action required |  |

|  |
| --- |
| **Project summary for BBRO Publication (no more than 300 words)** |
| **2018/19 Results**Blue (Benniworth) Red (Bracebridge) Green (Tansor)* There were no consistent significant effects of any treatments across all the three sites.
* There were some significant effects at individual: Thiotrac 300 and Thiotrac x2 applications at Benniworth and the 40kg/ha of Nutricharge and the Bio20 treatment at Tansor.
* All sites were affected by drought and severe wilting and loss of crop cover during August was recorded at all sites. The Bracebridge site was affected more than the Benniworth and Tansor sites.
* Following rain in September, there was considerable canopy re-growth at all three sites and resulted in good root and sugar yield recovery by harvest in December.
* It is possible that any responses to the treatments may have been lost due to the impact of the drought
 |
| **Short summary of key objectives** |
| * This project will assess the use of a range of soil and foliar applied nutrition products to assess any effect and value on crop yields. Treatments will be applied either as incorporation into the soil at drilling or two foliar treatments applied at the 1) 4-6 leaf stage and 2) 4-6 leaf stage plus 10 days later. Treatments will be tested on three different soil types (sites)
 |
| Insert picture/graph | Insert picture/graph |
| **Outcomes/Key messages for growers and industry** |
| * **Despite a few site-specific responses there were no consistent effects of applying either additional soil or foliar nutritional treatments to sugar beet in 2018.**
* **All treatments were applied earlier to the crop before the summer drought which may have masked any responses as early canopy production was lost due to moisture and heat stress.**
 |

|  |
| --- |
| **Section 1: To be completed by Project Lead:** |
| **Other project objectives (not listed on previous page)** |
| **Milestones for current period** |
| **Note: mentors will be asked to comment on the status of this project (yellow column) using the scoring system in section 2.** |
|  |

|  |
| --- |
| **Summary of results (including figures and tables)*****For Project Annual Report****: please provide a 2 page summary of key findings from the reporting year.****For Project Final Report:*** *please provide a summary of project findings and outcomes with relevant supporting data.* |
|  |
| **Annual report: Key issues to be addressed next year:** |
|  |
| **Publication of results to date/planned publications**: |
|  |

|  |
| --- |
| **Section 2: To be completed by project mentor** |
| **Status - Mentor’s scoring system for interim reports.** |
| Red | “Major concern - escalate to the next level" Slippage greater than 10% of remaining time or budget, or quality severely compromised. Corrective Action not in place, or not effective. Unlikely to deliver on time to budget or quality requirements. |
| Amber | "Minor concern – being actively managed” Slippage less than 10% of remaining time or budget, or quality impact is minor. Remedial plan in place |
| Green | "Normal level of attention" No material slippage. No additional attention needed |
| **Milestone** | **Comments + action required** | **Status** **R/A/G** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| **Is the project on track to meet the stated objectives? (please comment in relation to milestones and the status score awarded in section 1).** |
| **Are conclusions scientifically robust? (please comment on data analysis/interpretation)** |
|  |
| **For final reports only:**  |
| **How would you rate the project against the following criteria (please give a score out of 10, with 10 being highest)**1 ) The project met its original objectives:2) Contribution to scientific knowledge:3) Direct relevance to growers: |