## Coordinated Research Project on Selection for greater agronomic water-use efficiency in wheat and rice using carbon isotope discrimination

**Code:** D1.20.08

### Technical Contract

<table>
<thead>
<tr>
<th>Mr. Anthony Condon</th>
<th>AUL/12650</th>
<th>Comparative evaluation of oxygen isotope composition and carbon isotope discrimination in selecting for greater agronomic water-use efficiency in wheat</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSIRO, Division of Plant Industry</td>
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<tr>
<td>Black Mountain Laboratories</td>
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<tr>
<td>G.P.O. Box 1600</td>
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<tr>
<td>Canberra, ACT</td>
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<tr>
<td>Australia</td>
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<table>
<thead>
<tr>
<th>Mr. Philippe Monneveux</th>
<th>FRA/13493</th>
<th>Contribution to the improvement of water-use efficiency in C3 (wheat, sunflower) and C4 (maize) crops</th>
</tr>
</thead>
<tbody>
<tr>
<td>Centro Internacional de Mejoramiento de Maíz y Trigo (CIMMYT), Mexico</td>
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<td>ENSA, 2 place Viala 34060</td>
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<td>Montpellier Cedex</td>
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<td>France</td>
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<thead>
<tr>
<th>Mr. Abdelbagi M. Ismail</th>
<th>PHI/13099</th>
<th>Selection for greater agronomic water use efficiency in rice for salt affected areas using carbon isotope discrimination</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSWS, International Rice Research Institute (IRRI)</td>
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<tr>
<td>DAPO Box 7777, Metro Manila</td>
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<td>Los Banos, Laguna</td>
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<td>The Philippines</td>
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### Research Contract

<table>
<thead>
<tr>
<th>Mr. Miloud Hafsi</th>
<th>ALG/12649</th>
<th>Genetic improvement of agronomic water use efficiency for wheat in East Algeria (Amelioration genetique de l'efficacite d'utilisation de l'eau du ble dans l'est Algerien)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Département de Biologie</td>
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<td>Faculté des Sciences</td>
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<td>Université Ferhat ABBAS</td>
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<td>Sétif, 19000</td>
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<td>Algeria</td>
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<thead>
<tr>
<th>Dr. Mirza Mofazzal Islam</th>
<th>BGD/13097</th>
<th>Selection for greater agronomic water use efficiency in rice in under favorable and salt affected conditions</th>
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</thead>
<tbody>
<tr>
<td>Bangladesh Institute of Nuclear Agriculture (BINA)</td>
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<tr>
<td>Department of Plant Breeding</td>
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<td></td>
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<tr>
<td>P.O. Box 4</td>
<td></td>
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<tr>
<td>Mymensingh 2200</td>
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<tr>
<td>Bangladesh</td>
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</tbody>
</table>
Mr. Satish Chandra Misra
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IND/12653
The utilization of carbon isotope discrimination and ash content to select wheat for higher tolerance to water limitation in the peninsular zone of India

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Use of isotopic discrimination of carbon as a selection tool to ameliorate the tolerance to drought and salinity of tender wheat in Morocco

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PAK/12656
Selection of high yielding wheat and rice genotypes for water limited conditions exploiting its relationship with carbon isotope discrimination

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CPR/13098
Selection for greater productivity in rice in favorable environments using carbon isotope discrimination

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People's Republic of China
CPR/12651
Genetic improvement of agronomic water-use efficiency in wheat in Northwest China

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Syrian Arab Republic
SYR/13071
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Mr. Amin Al Hakimi  
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Yemeni Genetic Resources Center  
Sana’a University  
P.O. Box 13768  
Sana’a  
Yemen

YEM/12659  
Use of carbon isotope discrimination as tool for wheat breeding for drought tolerance in Yemen

Agreement  
Mr. Anthony Hall  
2922 Lindsay Lane, Quincy  
CA 95971-9602, United States of America

Number and Title of Project  
USA/12658  
Provide scientific advice on the use of carbon isotope discrimination in plant breeding