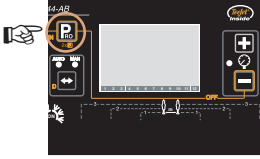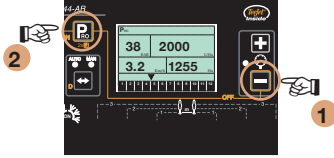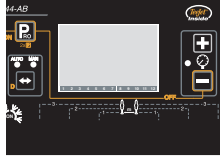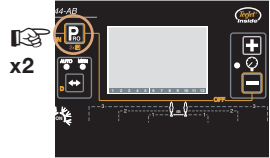# 844-AB PROGRAMMING MANUAL
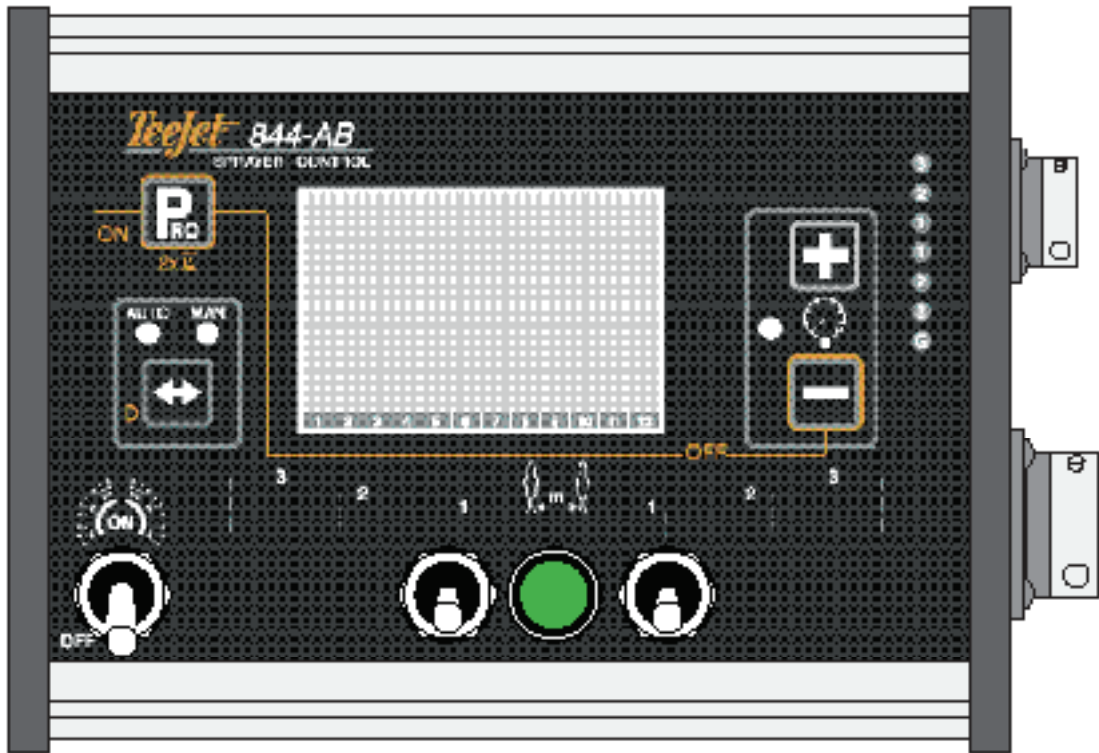
# Summary

# Switching ON/OFF
# User Programme

| Function | Operativa/e    action /s | Initial reading | Next reading |
|---|---|---|---|
| **ON** |  Versione Software → Serie NR. → | ABL 3.18 <br> XX XXX | I H <br> 3.0 |
| **OFF** |  | OFF <br> 5 |  |
| **User programme** Page10 | x2  | PRO <br> user | I-1-I <br> 3.0 |

**STANDARD FUNCTIONS TO ALL PROGRAMMES:**

- To read and confirm the different parameters press: 🅿.

- To  change the values pres: ⊞, ⊟.

- To return to the work stage and quit programming, from anywhere : press the button  for  at least 3 seconds 🅿.

# Operating functions in working stage

**For density = 1.00 (water)**

Pressure →

| $P_{RO}$ | |
|---|---|
| **38** BAR | **2000** L/Ha |
| **3.2** Km/h | **1255** Ha |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

Speed →

Delivered dose

← **Required dose**

← **Volume/Area**
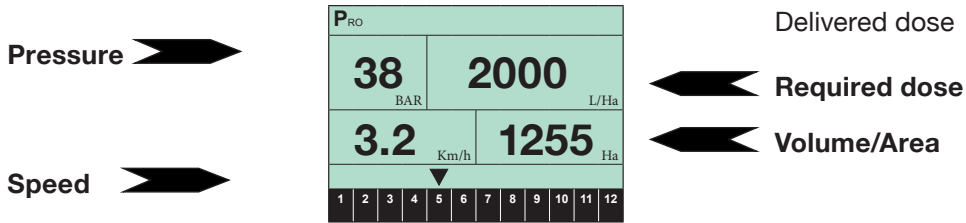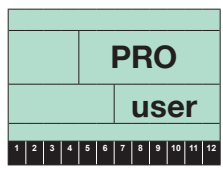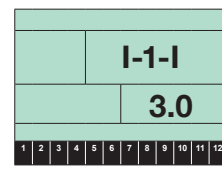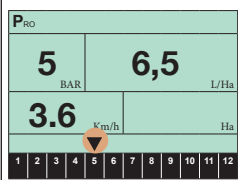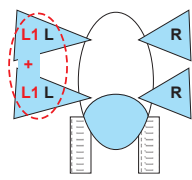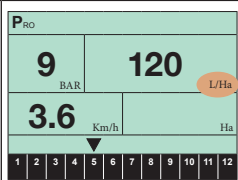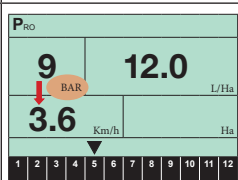
# Special features displayed in working stage

| | |
|---|---|
| **6 pre-defined memories of rows distance: selectable values without needing to stop the work** | ☞ ⊙   I-1-I   **3.0**     ☞ ⊙   I-2-I   **3.25**     ☞ ⊙   I-6-I   **4.50** |
| **Possibility of increasing or decreasing the required dosage** | **Easy way to quickly adjust the required dose temporarily:** In automatic mode : press the button ➕ (or ➖), the required dose will increase (or decrease ) by 10%; press the buttons ➕ and ➖ simultaneously  to return to the stored required dose. |
| ◎ | $P_{RO}$ **5** BAR **100** L/Ha / **3.5** Km/h **1.034** Ha  ➕ ☞ → $P_{RO}$ **7** BAR **110** L/Ha / **3.5** Km/h **1.034** Ha  ➕ ☞ → $P_{RO}$ **9** BAR **120** L/Ha / **3.5** Km/h **1.034** Ha  ➕ & ➖ ☞ → $P_{RO}$ **5** BAR **110** L/Ha / **3.5** Km/h **1.034** Ha |
| **Also in moving !** | $P_{RO}$ **5** BAR **100** L/Ha / **3.5** Km/h **1.034** Ha  ➖ ☞ → $P_{RO}$ **3** BAR **90** L/Ha / **3.5** Km/h **1.034** Ha  ➖ ☞ → $P_{RO}$ **2** BAR **80** L/Ha / **3.5** Km/h **1.034** Ha  ➕ & ➖ ☞ → $P_{RO}$ **5** BAR **100** L/Ha / **3.5** Km/h **1.034** Ha |
| **Automatic switching off** | The computer shuts down automatically if it does not work for 10 minutes ( to economize the duration of the batteries) It is always better to move-  with the equipment in a stationary position- the main switch down - OFF - |

# Operator parameters programming  (= User Setup)

| How to do | Action | Temporary reading | Final reading |
|-----------|--------|-------------------|---------------|
| **Master switch OFF** | ☞ x2 | **PRO** <br> **user** <br> 1 2 3 4 5 6 7 8 9 10 11 12 | **I-1-I** <br> **3.0** <br> 1 2 3 4 5 6 7 8 9 10 11 12 |

| Parameters | Display | Description | Remarks |
|------------|---------|-------------|---------|
| **1. Memories from 1 to 12 Type-number and nozzles flow rates.** | P<sub>RO</sub> <br> **5**  **6,5** <br> BAR  L/Ha <br> **3.6** Km/h  Ha <br> 1 2 3 4 5 6 7 8 9 10 11 12 | The arrow is flashing : press the buttons ⊞ and ⊟ to select one of the 12 memories. The values of these memories have been entered in the Manufacturer's Programme Page 5. | L1 L  R <br> + <br> L1 L  R |
| **2. Selection of the dose to deliver** | P<sub>RO</sub> <br> **9**  **120** <br> BAR  L/Ha <br> **3.6** Km/h  Ha <br> 1 2 3 4 5 6 7 8 9 10 11 12 | The index  L/Ha is flashing : press the buttons ⊞ and ⊟ to increase or decrease the value   (L/ha). | |
| **3. Speed index calculation : at which pressure?** | P<sub>RO</sub> <br> **9**  **12.0** <br> BAR  L/Ha <br> **3.6** Km/h  Ha <br> 1 2 3 4 5 6 7 8 9 10 11 12 | The Bar index flashes : press the buttons ⊞ and ⊟ to increase or decrease the value. By keeping the required dose, it is possible to understand whether the working pressure is correct according to the speed  that is indicated and calculated directly by the computer. | |
| **4. Pressure index calculation : at which speed?** | P<sub>RO</sub> <br> **7**  **12.0** <br> BAR  L/Ha <br> **2.8** Km/h  Ha <br> 1 2 3 4 5 6 7 8 9 10 11 12 | The Km/H  index flashes : press the buttons ⊞ and ⊟ to increase or decrease the value. By keeping the required dose, it is possible to understand whether the forward speed is correct according to the pressure  that is indicated and calculated directly by the computer, useful for the pump. | |

# Programming and selection of the row distance

| Programming | Selection |
|---|---|

## Programming

☞ 🟢 **min.3 sec.**

**1**

| P RO | ⋈ | |
|---|---|---|
| BAR | | L/Ha |
| I-1- Km/h | **10.0** Ha |
| 1 2 3 4 5 6 7 8 9 10 11 12 | | |

☞ 🟢

**2**

| P RO | ⋈ | |
|---|---|---|
| BAR | | L/Ha |
| I-2- Km/h | **16.0** Ha |
| 1 2 3 4 5 6 7 8 9 10 11 12 | | |

☞ 🟢

**3**

| P RO | ⋈ | |
|---|---|---|
| BAR | | L/Ha |
| I-3- Km/h | **20.0** Ha |
| 1 2 3 4 5 6 7 8 9 10 11 12 | | |

☞ 🟢

**4**

| P RO | ⋈ | |
|---|---|---|
| BAR | | L/Ha |
| I-4-I Km/h | **0.0** Ha |
| 1 2 3 4 5 6 7 8 9 10 11 12 | | |

☞ 🟢

**5**

| P RO | ⋈ | |
|---|---|---|
| BAR | | L/Ha |
| I-5-I Km/h | **0.0** Ha |
| 1 2 3 4 5 6 7 8 9 10 11 12 | | |

☞ 🟢

**6**
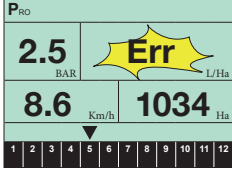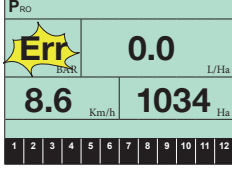
| P RO | ⋈ | |
|---|---|---|
| BAR | | L/Ha |
| I-6-I Km/h | **0.0** Ha |
| 1 2 3 4 5 6 7 8 9 10 11 12 | | |

**To exit**
☞ 🟢
**one time**

## Selection

☞ 🟢 **One time**

**1**

| P RO | | |
|---|---|---|
| | **I-1-I** | |
| BAR | | L/Ha |
| Km/h | **10.0** Ha | |
| 1 2 3 4 5 6 7 8 9 10 11 12 | | |

☞ 🟢

**2**

| P RO | | |
|---|---|---|
| | **I-2-I** | |
| BAR | | L/Ha |
| Km/h | **16.0** Ha | |
| 1 2 3 4 5 6 7 8 9 10 11 12 | | |

☞ 🟢

**3**

| P RO | | |
|---|---|---|
| | **I-3-I** | |
| BAR | | L/Ha |
| Km/h | **20.0** Ha | |
| 1 2 3 4 5 6 7 8 9 10 11 12 | | |

☞ 🟢

**4**

| P RO | | |
|---|---|---|
| | **I-4-I** | |
| BAR | | L/Ha |
| Km/h | **10.0** Ha | |
| 1 2 3 4 5 6 7 8 9 10 11 12 | | |

☞ 🟢

**5**

| P RO | | |
|---|---|---|
| | **I-5-I** | |
| BAR | | L/Ha |
| Km/h | **16.0** Ha | |
| 1 2 3 4 5 6 7 8 9 10 11 12 | | |

☞ 🟢

**6**

| P RO | | |
|---|---|---|
| | **I-6-I** | |
| BAR | | L/Ha |
| Km/h | **16.0** Ha | |
| 1 2 3 4 5 6 7 8 9 10 11 12 | | |

**To exit**
☞ [P RO]
**one time**

**Remarks : to change the value, use the [+] or [−] buttons. If you do not want to activate the memory, leave it at 0.0**

**Remarks : there are 6 available memories, that are not visible unless actived with a value.**

## Visual alarms

| Type | Display | Description | Displayed problem |
|------|---------|-------------|-------------------|
| **Warning signal of the delivered dose** | P<sub>RO</sub> 2.5 BAR **Err** L/Ha 8.6 Km/h 1034 Ha 1 2 3 4 5 6 7 8 9 10 11 12 | In the event of a distribution control problem, the value or the index lt/ha starts to flash. If the error does not exceed 10% , only the index lt'ha is flashing. If, however it exceeds 10%, (for more than 6 seconds) the word "ERR" also appears. | |
| **Alarm** **pressure** **Pressure Transducer** | P<sub>RO</sub> **Err** BAR 0.0 L/Ha 8.6 Km/h 1034 Ha 1 2 3 4 5 6 7 8 9 10 11 12 | "ERR" starts to flash instead of the pressure value. This alarm is only active if the transducer is applied to the equipment. | |

**Remark : In some circumstances, several alarms may appear at the same time**

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