

Supplementary data Table 3. Grain harvest moisture (U%), thousand grain weight (TGW) and white oat grain yield on the basis of the application of herbicides alone or previously treated with a metabolization or conjugation inhibitor. 2021/2021 season, Lages – SC.

| Treatment | Humidity (%) | TGW (g) | Yield (kg ha ⁻¹) |
|------------------------|---------------------|---------------------|---------------------------------|
| Control | 11.8 ^{ns} | 36.4 ^{ns} | 5934 ^{ns} |
| Malathion | 12.1 | 36.9 | 6455 |
| NBD | 11.7 | 37.0 | 5751 |
| Mesotrione (1xD) | 12.3 | 37.0 | 5721 |
| Mesotrione + Malathion | 11.2 | 37.3 | 5475 |
| Mesotrione+NDB | 11.3 | 37.1 | 5524 |
| Tembotrione (1xD) | 11.8 | 36.9 | 6054 |
| Tembotrione+Malathion | 11.6 | 37.2 | 6268 |
| Tembotrione+NDB | 11.8 | 37.0 | 5974 |
| <i>p-value</i> | 0.833 ^{ns} | 0.117 ^{ns} | 0.065 ^{ns} |
| <i>C.V. (%)</i> | 8.2 | 1.2 | 7.5 |

^{ns} non-significant by the F-test ($p>0.05$); identical letters in the column do not differ from each other ($p>0.05$) by Tukey's test; CV: coefficient of variation; FM, fresh mass.

Supplementary data Table 4. Percentage of grains > 2mm (G>2), hectoliter weight (HW), dehulling index (DHI) and industrial yield (Avenacor) of white oat grains produced from plants treated with application of herbicides alone or previously treated with a metabolism or conjugation inhibitor. 2021/2021 season, Lages – SC.

| Treatment | G>2 (%) | HW (kg hL ⁻¹) | DHI (%) | Avenacor (kg ha ⁻¹ of caryopsis) |
|------------------------|---------------------|------------------------------|---------------------|--|
| Control | 90.7 ^{ns} | 50.6 ^{ns} | 75.6 ^{ns} | 4072 ^{ns} |
| Malathion | 90.5 | 50.5 | 76.0 | 4343 |
| NBD | 90.7 | 50.9 | 76.2 | 3972 |
| Mesotrione (1xD) | 90.4 | 49.8 | 75.3 | 3891 |
| Mesotrione + Malathion | 89.8 | 50.2 | 74.3 | 3766 |
| Mesotrione+NDB | 90.4 | 50.6 | 76.3 | 3811 |
| Tembotrione (1xD) | 90.9 | 50.5 | 74.5 | 4099 |
| Tembotrione+Malathion | 90.3 | 50.6 | 75.6 | 4275 |
| Tembotrione+NDB | 90.6 | 51.0 | 75.4 | 4076 |
| <i>p-value</i> | 0.961 ^{ns} | 0.608 ^{ns} | 0.109 ^{ns} | 0.092 ^{ns} |
| <i>C.V. (%)</i> | 1.3 | 1.6 | 1.4 | 6.9 |

^{ns} non-significant by the F-test ($p>0.05$); identical letters in the column do not differ from each other ($p>0.05$) by Tukey's test; CV: coefficient of variation.