

## List of herbicides that may be used for direct-seeded rice.

Herbicide name	Weeds controlled	Rate of application	Time of application	Remarks
<b>Butachlor</b> a. <b>Direk 800 + safener</b> b. <b>Sonic 60 EC</b> c. <b>Machete 5G</b> d. <b>Machete 5G</b>	grasses, sedges, and broadleaves	0.75-1.0 L/ha 1.0 L/ha 20 kg/ha 20 kg/ha	2-5 DAS  2-4 DBS 6-8 DAS	Apply to moist and puddled soil. Control water normally after applying without submerging seedlings; spray volume is 200 L/ha. Maintain 2-5 cm water after land levelling. Broadcast seeds 4 days after herbicide application. Drain excess water from the field. Irrigate at 6-8 DAS and maintain water at 2-3 cm for 1-2 days. Irrigate the field 1 day after application. Maintain water at 2-3 cm for 1-2 days. Do not submerge rice seedlings
<b>Butachlor + Propanil</b> a. <b>Advance</b>	annual grasses, sedges, and broadleaves	1.5-2.0 L/ha	6-10 DAS	Apply on saturated soil, flood field 1-3 DAA; spray volume is 200 L/ha.
<b>Bentazon</b> a. <b>Basagran</b>	perennial and annual sedges	2.0 L/ha	weeds at 2-10 leaf stage	Weeds need to be above water line and wet; spray volume is 500 L/ha.
<b>Bensulfuron</b> a. <b>Londax</b>	broadleaves	500-700 g/ha	4-8 DAS	Soil should be fully submerged when applying and water should be retained for at least 4 days. Compatible with other herbicides; spray volume is 80-60 L/ha.
<b>Oxadiazon</b> a. <b>Ronstar</b> b. <b>Ronstar G</b>	grasses, sedges, and broadleaves	1.5-2.0 L/ha	3-5 DAS	Works best with standing water or at least moist soil. Soil must remain moist after application to maintain activity. Compatible with commonly used herbicides; spray volume is 500-600 L/ha.
<b>Thiobencarb</b> a. <b>Saturn</b>	annual grasses and sedges	1.5 L/ha	Pre-emergence (5-7 DBS) Post-emergence (30 DAS)	Keep water low enough to avoid submerging the rice plants.
<b>Pretilachlor</b> a. <b>Sofit</b>	grasses, sedges, and broadleaves	1.0 L/ha	0-3 DAS	Apply on saturated soil; spray volume is 160-224 L/ha.

- 2, 4-D                      annual sedges                      1.0-1.5 L/ha                      21-28 DAS                      Weeds need to be above water line. Reduce water to expose weeds. Re-flood within 2-3 DAA.
- and broadleaves
- a. 2, 4-D amine
- i. Hedonal
- ii. Planter's 2, 4-D amine
- iii. iLead Corp 2, 4-D amine
- iv. 2, 4-D amine EC
- b. 2, 4-D IBE
- i. Weedtrol 40 EC
- ii. 2, 4-D granules
- iii. Planter's 2, 4-D granules
- c. 2, 4-D ester
- i. 2, 4-D ester

<b>Piperophos + 2, 4-D</b> <b>a. Rilof H</b>	annual grasses, sedges, and broadleaves	1.0 L/ha	6-10 DAS	Apply on saturated soil. Flood field 1-3 DAA. Spray volume is 200 L/ha.
<b>MCPA</b> <b>a. Agroxone S</b>	annual grasses, sedges, and broadleaves	1.5-2.5 L/ha	25-30 DAS	Weeds need to be above water line. Reduce water to expose weeds. Re-flood within 2-3 DAA.
<b>Metsulfuron + Chlorimuron</b> <b>a. Almix 20WP (maroon sachet)</b>	Broadleaves and sedges	30 g/ha	20-35 DAS	field with 2-3 cm water. If sprayed on saturated soil, re-irrigate after 3-4 days. Symptoms appear at 5-7 days after spraying. Spray volume is 160 L/ha.
<b>Bispyribac Sodium</b> <b>a. Nominee</b>	annual grasses except <i>L. chinensis</i> , sedges, and broadleaves	250 ml/ha	8-15 DAS	Drain excess water before spraying for target weeds to appear one-half part over water surface and re-irrigate during 1-3 DAA.
<b>Cyhalofop</b> <b>a. Clincher</b>	annual grasses	1.0 L/ha	10-15 DAS	Soil must be saturated during application. Re-irrigate 3 DAA.
<b>Bensulfuron methyl + flufenacet</b> <b>a. Drago</b>	sedges, broadleaves, and annual grasses	170+100 g/ha	2-6 DAS	Soil must be fully covered with water during application (3-5 cm water) and maintained for 4 DAA
<b>Fentrazamide+ propanil</b> <b>a. Lecspro</b>	annual sedges, and broadleaves	1.5-1.75 kg/ha	4-8 DAS	Soil must be saturated during application. Re-irrigate at 3 DAA.
<b>Clomazone + propanil</b> <b>a. Compro</b>	annual grasses, sedges, and broadleaves	1.0 L/ha	7-10 DAS	Apply on saturated soil. Re-irrigate field 3 DAA. Leaf whitening appears at 5-7 DAA but will soon disappear.

**\* PhilRice is not promoting or endorsing any of these products.**

**DAA -days after application; DAS -days after sowing; DBS -days before seeding**