


Management of Bacterial Leaf Blight (BLB) of Rice

Xanthomonas oryzae pv. *oryzae* Bangla name: Dhaner pata pora, Kressek

	Prevention	Monitoring	Direct Control	Direct Control	Restrictions
<p>Symptoms on field plants (Photo by Chin Khoon Min)</p>  <p>Damage symptoms on rice leaves (Photo by Chin Khoon Min)</p>	<ul style="list-style-type: none"> • Use balanced fertilizer • Avoid the use of excessive nitrogen. Split nitrogen applications • Avoid top dressing urea after wind, rain and hailstorms • Use two-thirds MOP at basal and apply the rest with the third top dress of urea • Burn infected crop residues after harvesting in severe cases • Use disease free seed (without spots) • Apply water before uprooting seedlings in seed bed • Use tray/nursery box seedling to avoid root injury 	<ul style="list-style-type: none"> • Additional relevant crops: grasses for BLB infection • Regular visits and observation of the rice plants • Wilting of leaves or plant as a whole at early planting to active tillering • The basal parts of Kressek-affected plants have a bad odour at the cut ends of stems when squeezed. • Dry lesions appear first at leaf tip or leaf edge and finally greenish yellow or yellowish stripes on advanced lesions are observed • Premature drying of leaves or blighted leaves occurs as the infection advances • High temperatures and humid conditions, windy weather, and rain or hailstorms favour BLB • Yellowish bacterial ooze coming out from stomata and hydathodes under/beneath the leaf 	<ul style="list-style-type: none"> • Apply additional 5 kg muriate of potash (MOP) per 33 decimal area if the disease symptoms are seen • Spraying of MOP @6g/L, Zn fertilizer @4g/L and elemental sulphur @6g/L during PI-boot stage. Spraying the same solution twice with a 7-day interval if symptoms appear naturally or after windy-rainy weather. • Drain out water and dry the field for 7-10 days if the crop is affected with kressek or bacterial blight 	<ul style="list-style-type: none"> • No bactericide is recommended 	

Bangladesh

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