





## Avocado Leaf Blight (Alternaria sp, Pseudocercospora purpurea, Pestalotipsis sp., Dothiorella spp.)

## **KALRO E-mimea Plant Clinic**

## KALRO/NAVCDP Factsheet No. 198/2024

Other crops:

Mango, Jackfruit, Macadamia, Pistachio





Healthy Avocado leaves Source: M. Orayo, KALRO	Avocado leaf blight Source: R. Amata, KALRO
Disease Name	Avocado leaf blight (Alternaria spp., Pseudocercospora purpurea, Pestalotiopsis sp.)
Description	Several fungi including Alternaria spp., Pseudocercospora purpurea, Pestalotiopsis sp. cause avocado leaf blights and spots. The disease affects plants in the tropical and subtropical regions including avocados, mangoes, jackfruit, macadamia, and pistachio. The plant parts affected include leaves, fruits, stems, and branches. The fungi are harbored in infected plant debris which act as reservoirs from which the disease can spread to leaves and fruit. Leaf blight is favored by high humidity and moisture, warm temperatures and poor air circulation. The disease is spread through splash, windy conditions and contaminated tools. The blight reduces the surface area for photosynthesis hence affecting yields.

Conditions prevailing that contribute to success-Motion infering infering Rec Pool serConditions prevailing that contribute to failure-Un Hig ino-Hig inoManagement StrategyThe foll -1.Or from 2.1.Or from 2.Ob end -3.3.Scc cor 4.4.Co 5.Pru 6.5.Pru end -1.6.Pra bur red -1.7.Mu spla 8.Use leave 9.9.Pra bur bur	valso be observed on stems and fruit hiorella spp Begin as small brown spots leading to res turning yellow then browning. The spots may also be erved on stems and fruit cospora purpurea - Small brown to purple angular- spots earing on leaves. They may merge (coalesce) and enlarge they also affect stems and fruits calotiopsis sp Reddish/ brownish patches on mature res that are irregular in shape. They may begin from the margins inwards. Spots caused by this pathogen may also observed on stem and fruits
Conditions prevailing that contribute to failure - Hig ino Management Strategy The fol 1. Or fro 2. Ob ent 3. Sco cor 4. Co 5. Pru 6. Pra bur red 7. Mu spla 8. Use leav 9. Pra	ist humid conditions favor infection cted plant residues in the field serve as a source of future ctions luced air circulation may result in higher incidences or field hygiene maintains infected plant residues that we as inoculum for subsequent infections in the orchard
Management Strategy I. Ora from 2. Ob enh 3. Sco cor 4. Co 5. Pru 6. Pra bur red 7. Mu spla 8. Use leav 9. Pra	favourable weather conditions her standards of field hygiene leading to reduced disease culum on the farm
IO. Spr Fur Ens adr <b>Note:</b> A and cons	lowing management options are recommended: chards should be established using clean seedlings free in the disease serve recommended spacing to reduce congestion and ance aeration ut 2-3 times a week for initial symptoms and timely trol introl weeds that can act as alternative hosts ne avocado plants to improve air circulation ctice field sanitation by removing and destroying (e.g. by ying 2 feet deep) infected plant parts and plant debris to uce disease inoculum on the farm ch using organic or synthetic mulch to reduce soil shing which can spread the pathogens e drip irrigation to prevent water from splashing onto the res which can spread the pathogen ctice hygiene such as sterilization of pruning and vesting implements ay affected plants with a copper-based fungicide e.g. guran OH 50WP, Agricop 50WP, Champflo SC etc. ure proper coverage of the plant during spraying. Strictly ere to manufacturers recommendations

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	Website: <u>www.kalro.org</u>
Geographic Coverage	The disease is observed in hot, humid, tropical, and subtropical
	climates. It was first reported in Florida in 1940.
Geographic Coverage The project counties for avocado are Bomet, Bungoma, Embu, Kakamega, Kiambu, Kericho, Kirinyaga, Kisii, Machakos, Meru, Muranga, Nandi, Narok, Nyamira, Nyeri, Uasin Gishu, and Vihiga Project counties Counties where disease occurs	
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	cercospora-spot-in-avocados

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<b>Disclaimer:</b> The content of this publication is for general information to avocado farmers and technical staff only and no person should act, or fail to act on the basis of the information herein without professional advice from crop health experts affiliated to Kenya Agricultural and Livestock Research Organization (KALRO).	This factsheet was produced by KALRO as part of commercialization of avocado with support of National Agriculture Value Chain Development Project (NAVCDP)	
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