KARI E-mimea Plant Clinic KARI/Mimea Factsheet No.15/2014 **Disease:** Mango Anthracnose disease (Colletotrichum gloeosporioides) **Crop:** Mango Unaffected mango flowers **Diseased mango flowers Unaffected mango leaves Diseased mango leaves** Clean mango fruits **Diseased young fruits Diseased mango fruit Unaffected mangoes** Photos from http//www.google.com **Disease Name** Mango anthracnose disease (*Colletotrichum gloeosporioides*) Description Anthracnose is a disease of widespread occurrence in the mango fields and in storage. The disease causes serious losses to young shoots, flowers and fruits under favorable climatic conditions (high humidity, frequent rains and temperatures ranging from 24 to 32°C). **Disease Category** Continuos **Symptoms** Anthracnose symptoms occur on leaves, twigs, petioles, flower clusters (panicles), and fruits. On leaves, lesions start as small, angular, brown to black spots that can enlarge to form extensive dead areas. The lesions may drop out of leaves during dry weather. The first symptoms on panicles are

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	small black or dark-brown spots, which can enlarge, coalesce, and kill the
	flowers before fruits are produced, greatly reducing yield. Petioles, twigs,
	and stems are also susceptible and develop the typical black, expanding
	lesions found on fruits, leaves and flowers. Ripe fruits affected by
	anthracnose develop sunken, prominent, dark brown to black decay spots
	before or after picking Fruits may drop from trees prematurely. The fruit
	spots can and usually do coalesce and can eventually penetrate deep into
	the fruit resulting in extensive fruit rotting. Most green fruit infections
	remain latent and largely invisible until ripening. Thus fruits that appear
	healthy at harvest can develop significant anthractors symptoms randly
	upon ripening. A second symptom type on fruits consists of a "tear stain"
	symptom in which are linear necrotic regions on the fruit that may or may
	not be associated with superficial cracking of the epidermis leading to an
	"alligator skin" effect and even causing fruits to develop wide deep cracks
	in the enidermis that extend into the pulp. Lesions on stems and fruits may
	no the epiderinis that extend into the pulp. Lesions on stems and nuits may
Conditions provailing that	Wet humid warm weather conditions favor anthronose infections in the
contribute to success	field Warm humid temperatures favor postherwest anthropose
contribute to success	development
Control Stratogy	The discussed twigs should be pruned and hurnt along with fallon laguage
Control Strategy	The diseased twigs should be pluned and built along with fahlen leaves. Spraying twigs with Carbondazirn (Payistin 0.1%) at 15 days interval
	during flowering controls blossom infaction. Spraving of conpar fungicides
	during nowening controls biosson infection. Spraying of copper fungicules (0.2%) is recommanded for the control of folion infection. Destherwest
	(0.5%) is recommended for the control of foliar infection. Postharvest
	disease of mango caused by anthrachose could be controlled by dip
	treatment of fruits in Carbendazim (0.1%) in not water at 520 C for 15
	minutes.
Mode of Spread	Disease cycle dissemination: spores (conidia) of the pathogen are
	dispersed passively by splasning rain or irrigation water.
	Inoculation: spores land on infection sites (panicles, leaves, branch
	terminals).
	Infection and pathogen development: on immature fruits and young
	tissues, spores germinate and penetrate through the cuticle and epidermis to
	ramity through the tissues. On mature truits, infections penetrate the
	cuticle, but remain quiescent until ripening of the climacteric fruits begins.
Mandata Contras	All KAPI centres in the mange producing regions
Reference Links	(http://www.plantwise.org/KnowledgeBank/CountryHome.aspy)
Coographic Coverage	(http://www.plantwise.org/KnowledgeDank/CountryHome.aspx)
Geographic Coverage	This is an old mango disease in Kenya. It is found in all major mango
The disease has been	producing counties of the country (see man below showing where it has
reported in the grey	been cited) It has been recorded in Coast Fastern Central Rift Valley
highlighted counties but this	Western Nyanza and parts of North Fastern regions
will expand after a full	western, ryanza and parts of north Eastern regions.
will expand after a full	
The border counties are	
likely to have the rest	
inkery to have the pest.	

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