

# Produce Specification: Mango

GENERAL APPEARANCE BY VARIETY				
VARIETY	COLOUR	SHAPE	SENSORY	MATURITY
Tommy Atkins	>40% light green background colour. Pink blush. Skin with yellow flesh.	Oval heart shaped.	Firm smooth skin, sweet aroma & free of foreign odours and tastes.	Fully coloured fruit >14% DM. Fruit shoulders above the stem-end.
Kent	>40% light green background colour. Pink blush. Skin with yellow flesh.	Round to oval heart shape.	Firm smooth skin, sweet aroma & free of foreign odours and tastes.	Fully coloured fruit >14% DM. Fruit shoulders above the stem-end.
Keitt	Green.	Oblong heart shape.	Firm smooth skin, sweet aroma & free of foreign odours and tastes.	Fully coloured fruit >14% DM. Fruit shoulders above the stem-end.
R2E2	Red blush over yellow skin with deep yellow flesh.	Round to oval heart shape.	Firm, yields slightly to finger pressure, smooth skin, sweet aroma & free of foreign odours and tastes.	Fully coloured fruit >14% DM. Fruit shoulders above the stem-end.
Kensington Pride	>40% light green background colour. Pink blush. Skin with yellow flesh.	Round to oval heart shape.	Firm, yields slightly to finger pressure, smooth skin, sweet aroma & free of foreign odours and tastes.	Fully coloured fruit >14% DM. Fruit shoulders above the stem-end.
Honey Gold	Crimson blush over yellow/orange flesh.	Round to oval heart shape.	Firm, yields slightly to finger pressure, smooth skin, sweet aroma & free of foreign odours and tastes.	Fully coloured fruit >14% DM. Fruit shoulders above the stem-end.

<b>MANGO - GENERAL ACCEPTANCE CRITERIA</b>	
<b>CLEANLINESS</b>	Free from dirt, insect stains, residue or other foreign matter.
<b>UNSALEABLE DEFECTS</b>	
<b>FOREIGN MATTER</b>	Evidence of live insects. Nil foreign matter (e.g. glass, metal, hard plastics).
<b>PRODUCT COUNT</b>	No undercounts.
<b>MAJOR DEFECTS</b>	
<b>DISEASES</b>	With fungal or bacterial rots (decaying areas).
<b>PHYSIOLOGICAL DEFECTS</b>	With internal breakdown, e.g. watery, translucent area in flesh or around seed (jelly seed), or with spongy stem end (grey brown flesh/cavity at stem end).
<b>DISEASES</b>	Internal breakdown, watery flesh and stem end cavity. Pronounced lenticels affecting 20%.
<b>PHYSICAL/PEST DAMAGE</b>	With cuts, holes, cracks (that break the skin).
<b>TEMPERATURE DAMAGE</b>	With scattered, small dark-brown spotting on dull, discoloured skin. (chilling injury).
<b>MINOR DEFECTS</b>	
<b>INSECTS</b>	With >5 attached scale insects. With sooty mould (brown-black spotting) or bacterial spot (black spotting), not open or weeping, affecting in total >1 cm <sup>2</sup> . With pink spot >15 spots (each 5 mm diameter) (former scale attachment areas). With shallow (2 cm <sup>2</sup> ) or with bruising affecting >2 cm <sup>2</sup> ; no deep scars or soft/moist deep-seated bruises.
<b>TEMPERATURE DAMAGE</b>	With bleaching (sunburn) affecting >20% of visual surface; no grey-brown blotches or black depressed areas (sunscauld).
<b>PHYSIOLOGICAL DEFECTS</b>	With pronounced/dark lenticels (>1-2 mm wide) affecting >20% of skin; not star shaped or cracked.
<b>SKIN MARKS/BLEMISHES</b>	With sap burn or sap stain/spotting affecting >6 cm <sup>2</sup> . With light blemish, e.g. dense, thick russet lines affecting >6 cm <sup>2</sup> ; scattered thin lines are allowable.













SIZE				
<p><b>LOOSE PACK PREMIUM SIZE/ AV Gram Weight</b></p> <p>Tolerance +/- 10%</p>	<b>Tommy Atkins</b>	8 ct.	562g	
		9 ct.	450g	
		10 ct.	375g	
		14 ct.	325g	
	<b>Kent/Keitt</b>	8 ct.	562g	
		9 ct.	500g	
		10 ct.	450g	
		12 ct.	375g	
		14 ct.	325g	
	<b>R2E2</b>	8 ct.	875g	
		9 ct.	777g	
		10 ct.	700g	
		12 ct.	583g	
		14ct.	500g	
	<b>Kensington Pride</b>	10 ct.	700g	
		12 ct.	583g	
		14 ct.	500g	
		16 ct.	437g	
		18 ct.	388g	
		20 ct.	350g	
	Average weight of 4.5kg per carton.			
	<b>Honey Gold</b>	9 ct.	777g	
		10 ct.	700g	
		12 ct.	583g	
		14 ct.	500	
		16 ct.	437g	
		18 ct.	388g	
	Average weight of 7kg per carton.			
RECEIVAL				
<b>TEMPERATURE °C (AT ARRIVAL)</b>	13 – 18			
<b>TOLERANCE</b>	Unsaleable defects <0%			
	Major defects <5%			
	Minor defects <10%			
	Combined total limit <10%			
	<5% outside of size range			

<p><b>PACKAGING &amp; LABELLING</b></p>	<p>Packaging manufactured from new food grade materials or sanitised returnable crates.</p> <p>Packaging to adhere to <b>Foodstuffs North Island Produce Packaging Guidelines</b>.</p> <p>All labelling must meet the current legislative requirements.</p> <p><b>Crate card</b> must include the product description, SKU number (in large font), supplier name, grower/packer’s name, product grade, count/weight, and delivery date.</p> <p><b>Pre-packaged</b> produce must display the grower’s name, the packed-on date, best before date or used by date (batch code optional).</p>
<p><b>SHELF LIFE</b></p>	<p>Produce must have a shelf life of <b>at least 7 days</b> upon arrival at the Distribution Centre, or direct to the store from the supplier.</p>
<p><b>TRANSPORT CONDITIONS</b></p>	<p>Stacked to Ti Hi specifications onto a stabilised pallet as per-ordered. Refrigerated van with air bag suspension, unless otherwise approved. Goods must be received in accordance with <b>Foodstuffs North Island Receiving and Carrier Guidelines</b> (refer to reference materials for more information).</p> <p>Of note are pallet size, stacking standards and crate cards.</p>
<p><b>CHEMICAL CONTAMINATE RESIDUE</b></p>	<p>Relevant growers and/or producers, hold, will maintain, and will comply with all necessary certificates, licenses, permits, and other approvals required by Laws or the Policies and Compliance Requirements for the manufacture, packing, supply, and storage of the groceries. This includes NZGAP (including the Social Practice Standards add-on) and/or GLOBALG.A.P (including GRASP) certification.</p>
<p><b>ORGANICS</b></p>	<p>BioGro certificate, or equivalent, is required to supply organic products into both Foodstuffs stores and Distribution Centres. The current certificate should be available on the Foodstuffs Exchange.</p>




**PHOTOS OF DEFECTS**

<p>Major Defect/Internal Breakdown.</p>	<p>Physiological Defect/Sunken Skins and Shrivelled.</p>	<p>Cosmetic Defects/Light Blemishes.</p>

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<p>Major Defects/Internal Breakdown.</p>	<p>Cosmetic Defect/Light Skin Marking.</p>	<p>Major Defect/Black Spots &amp; Rot Spots.</p>
		
<p>Major Defect/Sever Bruising Injury.</p>	<p>Major Defect/Internal Browning.</p>	<p>Cosmetic Defect/Skin Blemish.</p>
		
<p>Cosmetic Defect/Skin Marking and Light Scarring.</p>	<p>Major Defect/Sunken and Shrivelled Stem ends.</p>	<p>Cosmetic Defect/Light Skin Blemishes.</p>
		

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Major Defect/Internal Breakdown.	Major Defect/Chill Damage.	Cosmetic/Light Skin Marking.
		
Cosmetic Defect/Rub Marks and Cuts.	Cosmetic Defect/Light Spots.	Major Defect/Deep Bruising.