



Traceability Guide for Mango Growers, Packers, and Importers



Producing Safe
Mangos



Introduction

This guide was designed with the objective of aiding those in the mango industry understand the Final Rule on Requirements for Additional Traceability Records for Certain Foods and the development of a practical Food Traceability Plan that complies with the Rule's requirements.

The purpose of the Final Rule on Requirements for Additional Traceability Records for Certain Foods is to allow for faster identification and rapid removal of potentially contaminated foods from the market, resulting in fewer foodborne illnesses and/or deaths. As such, the purpose of the guide is to aid in the development of a program that not only complies with the Rule's requirements but also allows for a fast response to FDA's requests for information regarding Mango Traceability.

It should be noted that even if compliance with the Final Rule on Requirements for Additional Traceability Records for Certain Foods is not required by your company because your product is not on the Food Traceability List or because you are subject to an exemption, other rules such as the Produce Safety Rule and the Preventive Controls for Human Food Rule may still apply. Additionally, facilities required to register with FDA (and therefore subject to the Preventive Controls Rule) have long been required to maintain a certain level of traceability at least one step forward and back, and this will stay in effect. In addition, even though under certain circumstances some regulations might not apply to your company or product, your clients may still require your compliance in order to do business.

While this documentation has been developed using the Final Rule on Requirements for Additional Traceability Records for Certain Foods and an assortment of FDA official documentation, this document is not developed or endorsed by FDA and holds no legal assurance of compliance; for more on this read our disclaimer.

For more information about the Final Rule on Requirements for Additional Traceability Records for Certain Foods you may visit FDA's information and resource page at:

<https://www.fda.gov/food/food-safety-modernization-act-fsma/fsma-final-rule-requirements-additional-traceability-records-certain-foods>

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Disclaimer

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Table of Contents

What is Food Traceability?	6
Why is Traceability Important?	7
What is the Food Traceability Rule?	8
When do I Need to Comply?	8
Who is Subject to the Rule?	9
The Food Traceability List (FTL)	9
• What Foods are Included on the Food Traceability List (FTL)?	10
• How Often is the Food Traceability List Updated?	13
• Foods on the Food Traceability List as Ingredients	13
Who is Exempt From the Rule?	14
Key Concepts	17
• Critical Tracking Event (CTE)	17
Farm Critical Tracking Events (CTEs)	18
Packinghouse Critical Tracking Events (CTEs)	18
Warehouse Critical Tracking Events (CTEs)	19
• Key Data Element (KDE)	21
Key Data Elements (KDEs) in a Mango Farm	21
Key Data Elements (KDEs) in a Mango Packinghouse	22
Key Data Elements (KDEs) in a Mango Warehouse	24
• Traceability Lot Code (TLC)	27
When to Assign Traceability Lot Codes (TLCs)	28
• Summary	30
Mango Traceability Plan	31
• Recordkeeping	31
• Food on the Food Traceability List	33
• Responsible Person	35
• Farm Map (Grower/Harvester Only)	35
• Assigning Traceability Lot Codes (Initial Packing and Transformation Only)	36
• When to Update the Food Traceability Plan	36
• Records	36
Farm	37
Packinghouse	38
Warehouse	41
Example Electronic Sortable Spreadsheets	44
Appendix 1 Sample Documents	47

What is Food Traceability?

To start, let's define what food traceability is. Food traceability refers to the ability of an organization such as FDA, a private company or even a customer to track a food product through all stages of production, processing, and distribution, to know where it came from and who had a hand in its movement and processing. This means that the food can be tracked all the way from its source (such as a farm) to the final retailer and consumer.

To achieve this, traceability requires the communication and cooperation of everyone involved in the supply chain and requires the recording and maintenance of detailed information about the origin, processing, and handling of the food.



What is Food Traceability?

Why is Traceability Important?

There are many reasons for why food traceability is important. For starters, food traceability is an important part of ensuring food safety. A good food traceability program can help both authorities and companies quickly identify the source of contamination when a foodborne illness occurs, enabling them to isolate and recall affected products before they cause widespread health issues. This can reduce the number and impact of food safety related incidents in an industry and protect public health.

A good food traceability program can help a company perform a more efficient food recall, should it ever be required. A working food traceability program can streamline the process of identifying and removing affected products from the market, and if the recall was caused by an ingredient one or more steps back, it can help determine what other products may be affected.

While not the purpose of the Rule, a traceability program can also help a company's quality control since it allows for the monitoring and recording of the conditions with which food products are handled throughout the supply chain. By knowing how products flow through the supply chain you can also identify "bottlenecks" and find efficiencies. A food traceability program may also be of interest to consumers for supply chain transparency, food fraud prevention, sustainability, and the environmental impact of food, though these are also topics not covered by the Rule.

In summary, a food traceability program is an important tool for ensuring food safety throughout the supply chain, that may also have other benefits to consumers, businesses, and regulators in the food industry.



Why is Traceability Important?

What is the Food Traceability Rule?

Now that we know what food traceability is, and why it is important, let's review the Rule and some of its requirements. The official title is "Rule on Requirements for Additional Traceability Records for Certain Foods."

The Final Rule on Requirements for Additional Traceability Records for Certain Foods is a key component of FDA's Food Safety Modernization Act, also known as FSMA. The Rule establishes additional recordkeeping requirements, beyond the existing one step forward and back, for persons (including farms) who manufacture, process, pack, or hold foods included on the Food Traceability List (FTL) and requires companies subject to the Rule to establish a Food Traceability Plan.

The purpose of the Rule is to allow for faster identification and rapid removal of potentially contaminated food from the market, resulting in fewer foodborne illnesses and deaths.

To achieve this, FDA has identified important steps along the supply chain for which records must be kept. These required records will vary depending on the activities being carried out during each step of the supply chain.

Additionally, the Rule establishes the use and assignment of Traceability Lot Codes at certain stages of the supply chain. These are unique descriptors, often alphanumeric, that are used to uniquely identify a traceability lot or "batch" of product within a company's records.

For the mango industry, Traceability Lot Codes must be assigned whenever mangos are initially packed, and if the product is ever transformed, such as through processing, but also during some instances of repacking when mangos are comingled.

Finally, if you are subject to requirements of the Rule, you must design and maintain a traceability plan that includes specific information and records detailed further in this guide.

When do I Need to Comply?

Compliance with the Rule will be mandatory on Tuesday, January 20, 2026. The Rule establishes this single compliance date for everyone regardless of company size, product, sales, or if compliance with the Rule is required in its entirety or only partially.

Who is Subject to the Rule?

Compliance with the Rule is required for any person or company, both domestic or foreign, who manufactures, processes, packs, or holds foods that appear on the FDA’s Food Traceability List and that will be consumed within the United States. This includes farms.

The Food Traceability List (FTL)

The Food Traceability List is the list of foods for which additional traceability records are required. “Foods included on the Food Traceability List” means that the rule not only applies to foods specifically listed on the list, but also to foods that contain listed foods as ingredients, provided that the listed food that is used as an ingredient remains in the same form in which it appears on the list.

To determine which foods should be included on the Food Traceability List, the FDA developed a risk-ranking model for food tracing. The model scores commodity and hazard pairs (for example mangos and *Salmonella* spp.), according to data and information relevant to the following criteria:



The Food Traceability List (FTL)

- Frequency of outbreaks and occurrences of illnesses
- Severity of illness
- Likelihood of contamination
- The potential for pathogen growth, with consideration of shelf life
- Manufacturing process contamination probability and industry-wide intervention
- Consumption rate and amount consumed
- Cost of the illness

The model uses data spanning many years, but more heavily weighs more recent data.

What Foods are Included on the Food Traceability List (FTL)?

While there are many foods and food categories on the Food Traceability List, fresh mangos are included on the Food Traceability List and specifically listed under the tropical tree fruits section.

Food Traceability List*	Description
Cheeses, other than hard cheeses, specifically:	
<ul style="list-style-type: none"> • Cheese (made from pasteurized milk), fresh soft or soft unripened 	Includes soft unripened/fresh soft cheeses. Examples include, but are not limited to, cottage, chevre, cream cheese, mascarpone, ricotta, queso blanco, queso fresco, queso de crema, and queso de puna. Does not include cheeses that are frozen, shelf stable at ambient temperature, or aseptically processed and packaged.
<ul style="list-style-type: none"> • Cheese (made from pasteurized milk), soft ripened or semi-soft 	Includes soft ripened/semi-soft cheeses. Examples include, but are not limited to, brie, camembert, feta, mozzarella, taleggio, blue, brick, fontina, monterey jack, and muenster. Does not include cheeses that are frozen, shelf stable at ambient temperature, or aseptically processed and packaged.
<ul style="list-style-type: none"> • Cheese (made from unpasteurized milk), other than hard cheese 	Includes all cheeses made with unpasteurized milk, other than hard cheeses. Does not include cheeses that are frozen, shelf stable at ambient temperature, or aseptically processed and packaged.
Shell eggs	Shell egg means the egg of the domesticated chicken.
Nut butters	Includes all types of tree nut and peanut butters. Includes all forms of nut butters, including shelf stable, refrigerated, and frozen products. Examples include, but are not limited to, almond, cashew, chestnut, coconut, hazelnut, peanut, pistachio, and walnut butters. Does not include soy or seed butters.
Cucumbers (fresh)	Includes all varieties of fresh cucumbers.
Herbs (fresh)	Includes all types of fresh herbs. Examples include, but are not limited to, parsley, cilantro, and basil. Herbs listed in 21 CFR 112.2(a)(1), such as dill, are exempt from the requirements of the Rule under 21 CFR 1.1305(e).

Food Traceability List*	Description
Leafy greens (fresh)	Includes all types of fresh leafy greens. Examples include, but are not limited to, arugula, baby leaf, butter lettuce, chard, chicory, endive, escarole, green leaf, iceberg lettuce, kale, red leaf, pak choi/bok choi, Romaine, sorrel, spinach, and watercress. Does not include whole head cabbages such as green cabbage, red cabbage, or savoy cabbage. Does not include banana leaf, grape leaf, and leaves that are grown on trees. Leafy greens listed in § 112.2(a)(1), such as collards, are exempt from the requirements of the rule under § 1.1305(e).
Leafy greens (fresh-cut)	Includes all types of fresh-cut leafy greens, including single and mixed greens.
Melons (fresh)	Includes all types of fresh melons. Examples include, but are not limited to, cantaloupe, honeydew, muskmelon, and watermelon.
Peppers (fresh)	Includes all varieties of fresh peppers.
Sprouts (fresh)	Includes all varieties of fresh sprouts (irrespective of seed source), including single and mixed sprouts. Examples include, but are not limited to, alfalfa sprouts, allium sprouts, bean sprouts, broccoli sprouts, clover sprouts, radish sprouts, alfalfa & radish sprouts, and other fresh sprouted grains, nuts, and seeds.
Tomatoes (fresh)	Includes all varieties of fresh tomatoes.
Tropical tree fruits (fresh)	Includes all types of fresh tropical tree fruit. Examples include, but are not limited to, mango , papaya, mamey, guava, lychee, jackfruit, and starfruit. Does not include non-tree fruits such as bananas, pineapple, dates, soursop, jujube, passionfruit, Loquat, pomegranate, sapodilla, and figs. Does not include tree nuts such as coconut. Does not include pit fruits such as avocado. Does not include citrus, such as orange, clementine, tangerine, mandarins, lemon, lime, citron, grapefruit, kumquat, and pomelo.
Fruits (fresh-cut)	Includes all types of fresh-cut fruits. Fruits listed in § 112.2(a)(1) are exempt from the requirements of the rule under § 1.1305(e).

Traceability Guide for Mango Growers, Packers, and Importers

Food Traceability List*	Description
Vegetables other than leafy greens (fres-cut)	Includes all types of fresh-cut vegetables other than leafy greens. Vegetables listed in § 112.2(a)(1) are exempt from the requirements of the rule under § 1.1305(e).
Finfish (fresh and frozen), specifically:	
<ul style="list-style-type: none"> • Finfish, histamine-producing species 	Includes all histamine-producing species of finfish. Examples include, but are not limited to, tuna, mahi mahi, mackerel, amberjack, jack, swordfish, and yellowtail.
<ul style="list-style-type: none"> • Finfish, species potentially contaminated with ciguatoxin 	Includes all finfish species potentially contaminated with ciguatoxin. Examples include, but are not limited to, grouper, barracuda, and snapper.
<ul style="list-style-type: none"> • Finfish, species not associated with histamine or ciguatoxin 	Includes all species of finfish not associated with histamine or ciguatoxin. Examples include, but are not limited to, cod, haddock, Alaska pollock, salmon, tilapia, and trout. Siluriformes fish, such as catfish, are not included.
Smoked finfish (refrigerated and frozen)	Includes all types of smoked finfish, including cold smoked finfish and hot smoked finfish.
Crustaceans (fresh and frozen)	Includes all crustacean species. Examples include but are not limited to shrimp, crab, lobster, and crayfish.
Molluscan shellfish, bivalves (fresh and frozen)	Includes all species of bivalve mollusks. Examples include, but are not limited to, oysters, clams, and mussels. Does not include scallop adductor muscle. Raw bivalve molluscan shellfish that are (1) covered by the requirements of the National Shellfish Sanitation Program; (2) subject to the requirements of 21 CFR part 123, subpart C, and 21 CFR 1240.60; or (3) covered by a final equivalence determination by FDA for raw bivalve molluscan shellfish are exempt from the requirements of the rule under § 1.1305(f).
Ready-to-eat deli salads (refrigerated)	Includes all types of refrigerated ready-to-eat deli salads. Examples include, but are not limited to, egg salad, potato salad, pasta salad, and seafood salad. Does not include meat salads.

*Taken from FDA's Food Traceability List on July 2023.

Note: Foods for animals are not included in FDA's current risk-ranking model and are not included on the Food Traceability List, and therefore not covered by the final Rule.

● **How Often is the Food Traceability List Updated?**

FDA has stated: “FDA intends to update the FTL approximately every five years, subject to available resources. First, we would update the Risk-Ranking Model for Food Tracing with new data and information. As part of this process, we intend to provide stakeholders with a mechanism to submit relevant data for the Agency’s consideration. Based on the data and the updated Model, we could develop a proposed revised FTL. We would then publish a notice in the Federal Register stating the proposed changes and the reasons for the changes. The notice would also request information and views on the proposed changes. After considering any information and views submitted on the proposed changes to the FTL, we would publish a second notice in the Federal Register stating whether we are making any changes to the FTL and the reasons for the decision. If FDA revises the list, we will also publish the revised list on our website. Any deletions from the FTL would become effective immediately. Any additions to the FTL would become effective two years after the date of the Federal Register notice announcing the revised list, unless we state otherwise in the notice. This period of time would provide entities handling any new additions to the FTL sufficient time to come into compliance.”

● **Foods on the Food Traceability List as Ingredients**

Foods that contain an ingredient that is a food on the Food Traceability List (FTL) are also covered by the Rule if the ingredient remains in the form in which it appears on the list. This means that if a commodity is used as part of a multi-ingredient food without any processing or alteration that would remove it from the Food Traceability List, then the multi-ingredient food would also be covered under the final Rule.

Examples given by FDA of products that use ingredients from the Food Traceability List that would still be covered:

- A bagged salad mix with fresh lettuce
- A prepared smoothie with fresh cantaloupe
- A sandwich containing fresh tomato

Examples given by FDA of products that use ingredients from the Food Traceability List that would not be covered:

- A frozen pizza with spinach topping
- Trail mix with dried papaya

While these products use a food listed on the Food Traceability List, they are listed only as “fresh”. These products are either not fresh or they will have a kill step before consumption.

The Rule would also cover a multi-ingredient food when a food on the Food Traceability List is used as an ingredient and there is no kill step applied to it, and the ingredient on the Food Traceability List does not change to a form that is no longer on the Food Traceability List. FDA lists as an example the use of peanut butter in a sandwich cracker where no kill step is applied to either the peanut butter or the peanut butter sandwich cracker. In this case the peanut butter sandwich cracker is covered by the Rule because it contains peanut butter, which is on the list.

It is important to note that even though these are examples given by FDA in official documents, each case is different, and FDA may come to a different conclusion on a similar circumstance.

Who is Exempt From the Rule?

There are certain ways to be eligible for a partial or a full exemption from the requirements of the Food Traceability Rule. FDA has developed a software tool to help you determine whether an exemption may apply to you. You can access the tool at:

<https://collaboration.fda.gov/tefcv13/>

While there are several exemptions that apply to different foods, processes, and companies, for the mango industry only a few of these exemptions may be applicable:

Exemption	Additional Details	Section of the rule
Farm (or farm activities of a farm mixed-type facility) with respect to the produce they grow, when the farm is not a covered farm under 21 CFR 112.4(a) (a provision in the produce safety regulation).	Farm or farm mixed-type facility with an average annual monetary value of produce sold during the previous 3-year period of \$25,000 (on a rolling basis) or less, adjusted for inflation using 2011 as the baseline year for calculating the adjustment.	§1.1305(a)(1)(i)
Produce farm averaging \$25,000 or less in sales of produce and market value of produce, adjusted for inflation using 2020 as the baseline year.	Calculation based on average annual sum of the monetary value of sales of produce and the market value of produce manufactured, processed, packed, or held without sale (e.g., held for a fee) during the previous 3-year period.	§1.1305(a)(1)(ii)

Exemption	Additional Details	Section of the rule
Producers of raw agricultural commodities (RACs) other than produce or shell eggs averaging \$25,000 or less in sales of RACs and market value of RACs, adjusted for inflation using 2020 as the baseline year.	Calculation based on average annual sum of the monetary value of sales of RACs and the market value of RACs manufactured, processed, packed, or held without sale (e.g., held for a fee) during the previous 3-year period.	§1.1305(a)(3)
Farm when food produced on that farm is sold or donated directly to a consumer by the owner, operator, or agent in charge of the farm.		§1.1305(b)
Food produced and packaged on a farm that meets certain packaging and labeling criteria.	(1) The packaging of the food remains in place until the food reaches the consumer, and such packaging maintains the integrity of the product and prevents subsequent contamination or alteration of the product; and (2) The labeling of the food that reaches the consumer includes the name, complete address (street address, town, state, country, and zip or other postal code for a domestic farm and comparable information for a foreign farm), and business phone number of the farm on which the food was produced and packaged. FDA will waive the requirement to include a business phone number, as appropriate, to accommodate a religious belief of the individual in charge of the farm.	§1.1305(c)
Food that will be subjected to a kill step by an entity other than a retail food establishment, restaurant, or consumer; or that will be changed by an entity other than a retail food establishment, restaurant, or	(i) There is a written agreement between the shipper of the food and the receiver stating that the receiver will apply a kill step to the food or change the food such that it is no longer on the FTL; or (ii) There is a written agreement between the shipper of the food and the receiver	§1.1305(d)(6)

Traceability Guide for Mango Growers, Packers, and Importers

Exemption	Additional Details	Section of the rule
consumer, such that the food will no longer be on the FTL, provided that there are certain written agreements.	<p>stating that an entity in the supply chain subsequent to the receiver will apply a kill step to the food or change the food such that it is no longer on the FTL and that the receiver will only ship the food to another entity that agrees, in writing, it will:</p> <ul style="list-style-type: none"> (A) Apply a kill step to the food or change the food such that it is no longer on the FTL; or (B) Enter into a similar written agreement with a subsequent receiver stating that a kill step will be applied to the food or that the food will be changed such that it is no longer on the FTL. <p>(iii) Any such written agreement must include the effective date, printed names and signatures of the persons entering into the agreement, and the substance of the agreement; and</p> <p>(iv) Such written agreement must be maintained by both parties for as long as it is in effect and must be renewed at least once every 3 years.</p>	
Transporter of food	A person who has possession, custody, or control of an article of food for the sole purpose of transporting the food, whether by road, rail, water, or air.	§1.1305(n)
Food for research or evaluation use provided certain conditions are met	<p>Such food:</p> <ul style="list-style-type: none"> (1) Is not intended for retail sale and is not sold or distributed to the public; and (2) Is accompanied by the statement "Food for research or evaluation use." 	§1.1305(r)

Requirements for Additional Traceability Records for Certain Foods: What You Need to Know About the FDA Regulation: Guidance for Industry Small Entity Compliance Guide – U.S. Department of Health and Human Services Food and Drug Administration Center for Food Safety and Applied Nutrition Office of Analytics and Outreach, May 2023.

Key Concepts

Once you have determined if the Rule applies to you, your products, and your company, you will need to comply with the traceability practices it requires. To achieve this, it is necessary that you understand the following key terms and how they apply to you:

- Critical Tracking Event (CTE)
- Key Data Element (KDE)
- Traceability Lot Code (TLC)

These key terms represent the information that needs to accompany the food product throughout the supply chain, when this information needs to be recorded, and how it is linked to each food product. Let's review each one in more detail:

● Critical Tracking Event (CTE)

The path fresh mangos take from the farm to the table can be a very complex road of shippers, handlers, and packers. Mangos may shift hands several times during their transit, and so the responsibility for ensuring they are safe to eat also changes throughout. Because of the many steps a mango takes through the supply chain, tracing back its steps to its point of origin can be hard. This is especially true when there are points on the supply chain where the product may be transformed or comingled with other products, such as mangos from different lots or farms.

The Rule defines these important steps for product traceability as Critical Tracking Events (CTEs). According to the Rule a Critical Tracking Event means *“an event in the supply chain of a food involving the **harvesting, cooling** (before initial packing), **initial packing** of a raw agricultural commodity other than a food obtained from a fishing vessel, first land-based receiving of a food obtained from a fishing vessel, **shipping, receiving, or transformation of the food**”*.

In the mango industry there are several potential Critical Tracking Events (CTEs) that may occur as the mangos go from the farm to the consumer. Keep in mind that not all CTEs apply to the mango supply chain. The following are some examples of Critical Tracking Events (CTEs) found throughout the mango supply chain, it is important that you identify the Critical Tracking Events (CTEs) that apply to your facility and process, as each facility is different:

Farm Critical Tracking Events (CTEs)

1. Product Harvesting.- The main Critical Tracking Event (CTE) that takes place at a mango farm is product harvesting: this is the point of origin of the product and is the furthest back you can go without losing the identity of the edible product. The illustration below shows the related Key Data Elements associated with this Critical Tracking Event. These will be explained later.



Farm Critical Tracking Event (CTE)

It is important to note that while product harvesting is the main Critical Tracking Events (CTE) on a farm, it might not be the only one. If other activities are performed within the farm, such as cooling before initial packing or on-farm packing, these will also be Critical Tracking Events (CTEs).

Packinghouse Critical Tracking Events (CTEs)



Packinghouse Critical Tracking Events (CTEs)

1. Initial Packing.- One of the main two Critical Tracking Events (CTEs) in a mango packinghouse is the initial packing of the product. Products are generally grouped into boxes or other packing materials and then onto pallets. This grouping of products will move together and can be traced by the lot or batch number assigned to the products. Note that the Rule doesn't require each box to be individually numbered; you assign the traceability lot code for the entire lot in accordance with your procedures to make tracking of where the product came from and where it is going more manageable.

2. Shipping.- Shipping is another Critical Tracking Event (CTE) that occurs in the mango packinghouse. Here the product is shipped to the customer, warehouse, or another handler within the supply chain.



Warehouse Critical Tracking Events (CTEs)

1. Shipping and receiving.- The main two Critical Tracking Events (CTEs) in a mango warehouse are shipping and receiving. A warehouse's main activities are to receive product, hold it while keeping the product safe, and then ship it to the customer. It is important to know where the product is coming from and where it is going.



2. Transformation of the product.– Some warehouses may perform additional activities, such as repacking of mangos. If this practice takes place and product is comingled from different batches or different suppliers, then this is also considered a Critical Tracking Event (CTE).



It is rare for a single company to perform all these different activities in the supply chain, as such it is also normal for shipping and receiving Critical Tracking Events (CTEs) to occur at many steps throughout the supply chain.

Put simply, a Critical Tracking Event (CTE) is a step of special importance in the supply chain, and there are many of them throughout a product's journey to the table. So, if some information related to the product is collected at each one of these events, traceability becomes much easier and any emergencies like foodborne outbreaks and recalls can be dealt with quicker and more efficiently. But then, what information needs to be collected and kept? This is the next key term we need to understand.

Key Data Element (KDE)

The Rule defines Key Data Elements (KDEs) as: “The Information associated with a CTE for which a record must be maintained and/or provided”.

In other words, Key Data Elements (KDEs) are the bits of information collected at Critical Tracking Events. Key Data Elements (KDEs) relate to the information about where a product was, is, and will be, how much product is in a given batch, descriptions of the product, etc. In short, Key Data Elements (KDEs) serve as “footprints”, marking the place where a batch of product has been. Note that not all information in a product processing line is a Key Data Element (KDE), only those that occur at Critical Tracking Events and that relate to how the food was handled (if harvested, packed, or comingled), where it came from and where it is going.

Key Data Elements (KDEs) in a Mango Farm

As a farm that harvests mangos there are several Key Data Elements (KDEs) you need to record and keep:

- 1. Product Harvesting (Critical Tracking Event)**
 - a. Product description (type/variety of mango)
 - b. Quantity of product
 - c. A description of the location where the product was grown and harvested (name of the farm and field and their location as precise as possible)
 - d. Location description for the next recipient (likely the packinghouse it is headed to)
 - e. Date of harvest
 - f. The type of reference documents that has this information, and any relevant reference document numbers



In addition, the farm needs to share with the initial packer their farm name and phone number, in addition to the harvest KDEs, and needs to record the location description for the location they are shipping it to.

The following is an example from part of a sample food traceability plan for a mango farm, showing the company’s harvest KDEs. Note that the Rule does not require a specific format for records, the following are merely examples for educational purposes and not guidelines on how records must be kept.

CRITICAL TRACKING EVENTS (CTEs)

Product harvesting is the only Critical Tracking Event (CTE) that has been identified at this mango farm. No other activities such as cooling or initial packing are done at the farm.

#	Critical Tracking Events (CTEs)	Key Data Elements (KDEs)
1	Product Harvesting	<ul style="list-style-type: none"> • Product description (type/variety of mango) • Quantity of product • A description of the location where the product was grown and harvested (name of the farm and field and their location as precise as possible) • Location description for the next recipient (likely the packinghouse it is headed to) • Date of harvest

Sample food traceability document, to read the full sample document see Appendix 1 Sample Documents.

Key Data Elements (KDEs) in a Mango Packinghouse

Packinghouses are responsible for initial packing and shipping of mangos, as such, there are several Key Data Elements (KDEs) you need to record and keep:



1. Initial packing (Critical Tracking Event)

- a. Product description (type/variety of mango)
- b. Location description of where the food was harvested
- c. Business name and phone number for the harvester of the food
- d. Date of harvesting
- e. Date of receiving
- f. Quantity of product received
- g. Traceability lot code YOU assigned
- h. Product description of the packed food
- i. Quantity of the packed food

- j. Date of initial packing
- k. Location description for where you initially packed the food (i.e., traceability lot code source)
- l. Reference document type and reference document number (e.g., bill of lading)

2. Shipping (Critical Tracking Event)

- a. Traceability lot code YOU assigned
- b. Quantity of product
- c. Product description (type/variety of mango)
- d. Location description for the next recipient
- e. Location description for the location from which you shipped the food (might be the same as where it was initially packed)
- f. Location description for where you initially packed the food (i.e., traceability lot code source)
- g. Date of shipment
- h. Reference document type and reference document number (e.g., bill of lading)

The following is an example from part of a sample food traceability plan for a mango packinghouse, showing the company’s initial packing and shipping KDEs. Note that the Rule does not require a specific format for records, the following are merely examples for educational purposes and not guidelines on how records must be kept.

CRITICAL TRACKING EVENTS (CTEs)

Initial Packing and Shipping are the two Critical Tracking Event (CTE) that have been identified at this mango packinghouse.

#	Critical Tracking Events (CTEs)	Key Data Elements (KDEs)
1	Initial Packing	<ul style="list-style-type: none"> • Product description (type/variety of mango) • Location description of where the food was harvested • Business name and phone number for the harvester of the food • Date of harvesting • Date of receiving • Quantity of product received • Traceability lot code we assigned • Product description of the packed food • Quantity of the packed food • Date of initial packing • Location description for where you initially packed the food (i.e., traceability lot code source) • Reference document type and reference document number (e.g., bill of lading)

Shipping	<ul style="list-style-type: none"> • Traceability lot code we assigned • Quantity of product • Product description (type/variety of mango) • Location description for the next recipient • Location description for the location from which you shipped the food (might be the same as where it was initially packed) • Location description for where you initially packed the food (i.e., traceability lot code source) • Date of shipment • Reference document type and reference document number (e.g., bill of lading)
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Sample food traceability document, to read the full sample document see Appendix 1 Sample Documents.

Key Data Elements (KDEs) in a Mango Warehouse

Warehouses are generally only responsible for receiving and shipping of mangos, though some warehouses may perform other activities that could be considered a transformation of the product according to FDA, such as repacking of product, where it is **comingled with product from different lots or suppliers**:



1. Receiving (Critical Tracking Event)

- a. Traceability lot code of the food (as assigned by the initial packer)
- b. Quantity of product
- c. Product description (type/variety of mango)
- d. Location description for the previous source of the food (other than transporter)
- e. Location description for the location where the food was received
- f. Date on which the food was received
- g. Location description for the traceability lot code source or the traceability lot code source reference (e.g., the initial packer)
- h. Reference document type and reference document number (i.e., bill of lading)

2. Shipping (Critical Tracking Event)

- a. Traceability lot code of the food (as assigned by the initial packer, unless transformed by the warehouse)
- b. Quantity of product
- c. Product description (type/variety of mango)
- d. Location description for the next recipient
- e. Location description for the location from which you shipped the food
- f. Date of shipment
- g. Location description for the traceability lot code source or the traceability lot code source reference
- h. Reference document type and reference document number (i.e., bill of lading)

3. Transformation – Repacking product from different lots/suppliers (Critical Tracking Event)

For each traceability lot used as an “ingredient” in the repacked product:

- a. Traceability lot code(s) of the food(s) being mixed/comingled
 - b. Quantity of product
 - c. Description of the product
- (Note: you will have captured other information as part of the receiving CTE)

In addition, for the NEWLY transformed product:

- a. The NEW traceability lot code for the food that YOU assign
- b. Product description of the NEW transformed product (type/variety of mango)
- c. Location description for where you transformed the food (i.e., the traceability lot code source)
- d. Quantity of transformed product
- e. Date of transformation/repacking
- f. Reference document type and reference document number (e.g., work order number)

The following is an example from part of a sample food traceability plan for a mango warehouse, showing the company’s shipping and receiving and, repacking (transformation) KDEs. Note that the Rule does not require a specific format for records, the following are merely examples for educational purposes and not guidelines on how records must be kept.

CRITICAL TRACKING EVENTS (CTEs)

Shipping, receiving and product repacking (transformation) are the three Critical Tracking Events (CTEs) that have been identified at this mango warehouse.

#	Critical Tracking Events (CTEs)	Key Data Elements (KDEs)
1	Shipping and receiving	<p>1. For receiving (Critical Tracking Event)</p> <ul style="list-style-type: none"> • Traceability lot code of the food • Quantity of product • Product description (type/variety of mango) • Location description for the previous source of the food (other than transporter) • Location description for the location where the food was received • Date on which the food was received • Location description for the traceability lot code source or the traceability lot code source reference • Reference document type and reference document number (i.e., bill of lading) <p>2. For shipping (Critical Tracking Event)</p> <ul style="list-style-type: none"> • Traceability lot code of the food • Quantity of product • Product description (type/variety of mango) • Location description for the next recipient • Location description for the location from which you shipped the food • Date of shipment • Location description for the traceability lot code source or the traceability lot code source reference • Reference document type and reference document number (i.e., bill of lading)
	Repacking (Transformation)	<ul style="list-style-type: none"> • Traceability lot codes of the foods being mixed/comingled • Quantity of product • The date you received the food • Location description for the previous source of the food (other than transporter) • Location description for the location where the food was received • Date on which the food was received <p>In addition, for the NEWLY transformed product:</p> <ul style="list-style-type: none"> • The NEW traceability lot code for the food that WE assign • Product description (type/variety of mango) • Location description for where you transformed the food (i.e., the traceability lot code source) • Date of transformation/repacking • Reference document type and reference document number (e.g., work order)

Sample food traceability document, to read the full sample document see Appendix 1 Sample Documents.

You may have noticed by now how Key Data Elements (KDEs) generally link a product to a previous and to a future step in the supply chain whenever it is applicable. But keeping all this information is useless if you can't link the information to the specific product to which it belongs. This is why after the initial packing of the product a Traceability Lot Code (TLC) is assigned to the product.

You should also consider what the Rule defines as a location description, since it includes some important information that should be included. According to the Rule, location description means: "Key contact information for the location where a food is handled, specifically the business name, phone number, physical location address (or geographic coordinates), and city, state, and zip code for domestic locations and comparable information for foreign locations, including the country."

You should also consider that while FDA does consider repacking without the mixing or comingling of products from different lot codes as a transformation, it does not require the creation of a new Traceability Lot Code (TLC) since the repacking is "like into like". However, a new "Traceability Lot Code source" must be identified, since the warehouse performed a transformation.

● Traceability Lot Code (TLC)

A Traceability Lot Code (TLC) is a special identifier that helps us recognize any single lot of product on its journey throughout the supply chain. You can think of the Traceability Lot Code (TLC) as an "ID number", as it is unique for every batch of product and it stays the same throughout the supply chain, unless the mangos are transformed into a new product.

A Traceability Lot Code (TLC) is only assigned at certain Critical Tracking Events such as during **initial packing of the mangos**, and once assigned, it accompanies the product through many steps in the supply chain. However, a new Traceability Lot Code (TLC) may have to be assigned if certain transformations occur, such as **repacking**, where product from different batches or suppliers is mixed (comingled) into a single new batch or lot.

The Rule doesn't define a specific format for the Traceability Lot Code (TLC), instead it is the responsibility of the entity assigning it to determine how they will codify their products. These codes are often alphanumeric but can take different forms, and there are many commercial systems that may automate this process for companies.

When to Assign Traceability Lot Codes (TLCs)

The Rule requires that Traceability Lot Codes (TLCs) are established whenever a raw agricultural commodity (such as mango) is initially packed, and whenever it is transformed (for example when there is repacking through comingling). While there are other steps established by the Rule in which a Traceability Lot Code (TLC) may need to be assigned, these generally do not apply to the mango industry (e.g., fresh-cut).

It's important to understand that the purpose of this code is to make traceability easy, and as such having a single Traceability Lot Code (TLC) identify the product throughout most of the supply chain is essential, and it should not be changed unless the product is transformed in a way that may affect traceability.

As such, do NOT establish a new Traceability Lot Code (TLC) whenever you conduct other handling activities for a food on the Food Traceability List (FTL) unless you transform the product into another product that is still on the Food Traceability List (FTL).

If you do transform the product, you will need to establish a NEW Traceability Lot Code (TLC) for the new product. The original lot codes used to make the new product are Key Data Elements that you need to keep, and need to link with the NEW TLC.

Let's look at some examples of when a Traceability Lot Code (TLC) needs to be assigned, and when it doesn't need to be assigned.

Example	Requires a Traceability Lot Code (TLC) to be assigned?	Note
A farm harvests mangos and ships them to a packinghouse.	No	A Traceability Lot Code (TLC) needs to be assigned at the initial packing step.
A packinghouse receives mangos from a farm, packs them and ships them to a customer in the U.S.	Yes	A Traceability Lot Code (TLC) needs to be assigned at the initial packing step.
A warehouse receives, stores, and then ships mangos to the customer, without any transformation or repacking of said product.	No	A new Traceability Lot Code (TLC) must NOT be established since the product is not being transformed.
A warehouse receives and stores mangos. When the product doesn't meet the customer's quality or maturity standards, the product is repacked, choosing the mangos that do meet these standards from different lots or suppliers.	Yes	A new Traceability Lot Code (TLC) MUST be established since the product is being transformed.
A warehouse receives and stores mangos. When the product doesn't meet the customer's quality or maturity standards, the product is repacked by removing and discarding the mangos that do not meet these standards but no mangos from different lots or suppliers are integrated into the existing lot.	No	A new Traceability Lot Code (TLC) is not required, since the repacking is "like into like". However, a new "traceability lot code source" must be identified, since the warehouse performed a transformation.

Remember, if you are only storing and then shipping a product, without any transformation or repacking of said product, you must NOT establish a new Traceability Lot Code for the food.

Summary

In summary, the information you need to keep and send forward to the next entity on the supply chain under the Rule varies depending on the type of activities you perform with the mango. Harvesting, initial packing, distribution, and processing of mangos, each has different Key Data Element (KDE) requirements depending on their Critical Tracking Events (CTEs). As such, the Rule requires the assignment, recording, and sharing of Traceability Lot Codes for the mangos, as well as linking these lot codes to the other information identifying them as they move through the supply chain, aka their Key Data Elements (KDEs).

<p>If you are a grower/harvester</p>	<p>You need to record any product harvest Key Data Elements (KDEs) and send this information along with the product to the next recipient of the product.</p>
<p>If you are a packinghouse (initial packer)</p>	<p>You will receive information for the product harvesting Key Data Elements (KDEs) along with the product. You will then need to add to this information any Key Data Elements (KDEs) from the Critical Tracking Events (CTEs) in your facility and establish a Traceability Lot Code (TLC) for the product. This information will need to be sent to the next recipient of the product along with the product.</p>
<p>If you are a warehouse</p>	<p>You will receive information for the Key Data Elements (KDEs) regarding initial packaging, and any other handlers of the product throughout the supply chain, along with the product. You will also receive a Traceability Lot Code (TLC) for the product. You will then need to add to this information any Key Data Elements (KDEs) from the Critical Tracking events (CTEs) in your facility. You must NOT change the product's Traceability Lot Code (TLC) UNLESS you transform the product, such as when there is repacking through comingling with product with different Traceability Lot Codes (TLCs). This information will need to be sent to the next recipient of the product along with the product.</p>

Mango Traceability Plan

If you determine that your mangos are subject to the requirements of the Final Rule on Requirements for Additional Traceability Records for Certain Foods, you will also be required to establish and maintain a Food Traceability Plan. This traceability plan is an essential food safety tool, and as such we will review not only what the Rule requires, but also how to develop and implement it in your organization. Let's review each of the different parts that the Mango Traceability Plan must address:

● Recordkeeping

To start, the Rule requires that you include a description of the procedures you use to maintain the records for compliance with the Food Traceability Rule, including the format and location of these records.



The following is an example for these kinds of documents. Note that the Rule does not require a specific format for records, the following are merely examples for educational purposes and not guidelines on how records must be kept.

RECORDKEEPING

- All documents are kept for two years.
- All paper documentation for the Food Safety Plan and the food traceability system (procedures, records, reference documents, manuals, policies, guidelines, etc.) should remain on-site within the company's office building in labeled binders or as digital files backed up to the company's cloud service.
- All traceability records must include the following information and a document with this information is provided to the packinghouse:
 1. A description for the location of the immediate subsequent recipient of the product (not including the transporter).
 2. The commodity and variety of the food (For example: Mango, Tommy Atkins).
 3. The quantity and unit of measure of the food (For example: the number of boxes, mango caliber, and/or number of pounds).
 4. The location description for the farm where the food was harvested.
 5. For produce Raw Agricultural Commodities like mangos, maintain a record that contains the name of the field/growing area from which they were harvested, or any other information identifying the harvest location at least as precisely as the field/growing area's name. Make sure that whatever name you use, it corresponds with the name used by the grower.
 6. The date the product was harvested.
 7. The reference document type and number (aka the bill of lading).
 8. Business name and phone number

Sample document, to read the full content see Appendix 1 Sample Documents.

Although records can be kept in any form or system, and do not have to be kept electronically, if there is a food safety issue, FDA may ask that these records be provided in an electronic sortable spreadsheet generally within 24 hours of their request. For this reason, you should consider if it is practical to use an electronic sortable spreadsheet such as a Microsoft Excel File to record current Critical Tracking Elements and Traceability Lot Codes. Some of the KDEs may already exist in other systems, such as accounting software, and the Rule does not require duplication of information. However, as you are setting up your traceability system you will want to think about how you would collect information from different systems to create the electronic sortable spreadsheet, if needed.

Food on the Food Traceability List

You are also required to include a description of the procedures you used to determine if the products that you work with are on the Food Traceability List. For the fresh mango industry this is as simple as looking at the list since fresh mangos are one of the specified fruits on the fresh tropical tree fruits section, nonetheless depending on any other process or products you work with in your farm, packinghouse, or warehouse, you may have other products that are or aren't on the Food Traceability List. As such, compliance with this requirement can be achieved by having a procedure to review the Food Traceability List every time you start working with a new product or process, as well as anytime there is a notice of changes to the Food Traceability List.

PRODUCTS ON THE FDA'S FOOD TRACEABILITY LIST

- All new products are checked against the FDA's Food Traceability List when they are first introduced.
- All products are checked against the FDA's Food Traceability List whenever there is a change by FDA to the foods on the list (Approx. every 5 years).

Though not a requirement of the Rule, a recommended practice is to have a list of products you handle that includes information on whether the product is on the Food Traceability List or not, or to add this information to your product descriptions in your food safety plan.

#	Product	On the FTL?
1	Tommy Atkins	YES
2	Ataulfo	YES
3	Keitt	YES

Sample documents, to read the full content see Appendix 1 Sample Documents.

Product Description	
Product name	Mango
Product Description	Mangos packed in corrugated cardboard boxes in presentations of 4 Kg and 12 Kg.
Ingredients	Mangos USDA #1 from Haden, Kent and Tommy Atkins varieties.
Packaging	Corrugated cardboard boxes of 4 Kg and 12 Kg.
Intended use	Consumed fresh.
Consumer	General public of all ages, not breastfeeding.
Shelf life	28 days under refrigeration (10-12 °C) and without breaking the cold chain.
Label requirements	Keep refrigerated (10-12 °C).
Storage and distribution	Temperature: 10-12 °C.
On Food Traceability List?	Yes
Approved by: Signature: <i>Adrián M.</i> Name: Adrián Mujica.	Date: 06/08/2024.

Sample document, to read the full content see Appendix 1 Sample Documents.

Responsible Person

The Rule also requires that the plan includes a statement identifying a contact within your company responsible for replying to any questions regarding your traceability plan and records.

RESPONSIBILITY

- The manager or person responsible for the Food Traceability Plan is responsible for distributing copies of the documents required in different areas, such as records and procedures of the tasks to be performed. They are also responsible for removing any obsolete documentation, inspecting, collecting, and filing all records that are full.
- The manager or person responsible of the Food Traceability Plan is also responsible for replying to any questions regarding the traceability plan and records.

Person responsible for the Food Traceability Plan:	Arenis Pflon	<i>A.P.</i>
	Name	Signature

Farm Map (Grower/Harvester Only)

Lastly, your Traceability Plan needs to include a map of the farm showing the areas in which you grow mangos. This map must show the name and location of each field, as well as any other growing areas where you grow food on the Food Traceability List. The map needs to include the field's geographic coordinates and any other information needed to identify their location.

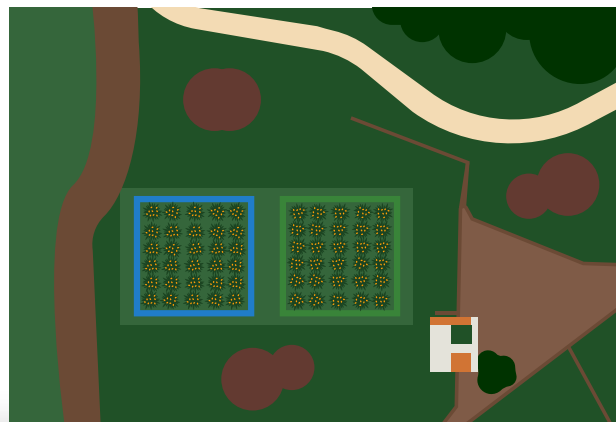
Toto's Mango Farm

Field 1 – Los Manglares

(28.643305580591512, -106.10512393792253)

Field 2 – Doña Berta

(28.635259678965838, -106.06748920869542)



Sample documents, to read the full content see Appendix 1 Sample Documents.

Assigning Traceability Lot Codes (Initial Packing And Transformation Only)

If you are responsible for the initial packing of the mangos, or for their transformation through repacking or processing to another food on the Food Traceability List, your plan must also include a procedure describing how your operation assigns Traceability Lot Codes to the products that require it.

TRACEABILITY LOT CODE (TLC)

- Assigning a traceability lot code to a mango box at a mango packinghouse involves systematically labeling each box with a unique identifier that allows for easy tracking and tracing of the mangos back to their source.
- The lot size is determined based on factors such as harvest date, mango variety, and specific farm section or plot.
- The following code is used to set the Traceability Lot Code

01	23	07	17	08	03
Growing Location Code (Also indicates Variety)	Year	Month	Day	Mangos per box (Caliber)	Consecutive number
	Packing Date				

Sample document, to read the full content see Appendix I Sample Documents.

When to Update the Food Traceability Plan

Once you have your Food Traceability Plan in compliance with the Rule, you will need to make sure it is always kept up to date and that it reflects the practices followed in your facility. Whenever you update your Food Traceability Plan, remember that the previous plan needs to be stored and kept for at least two years after you update it.



Records

Next let's review what Key Data Elements you will need to keep in your records, and how these may be included on your existing records. Note that the Rule does not require a specific format for records, the following are merely examples for educational purposes and not guidelines on how records must be kept.

Farm

Traceability records in a mango farm need to include the following information to comply with the Rule:



- 1) A description for the location of the immediate subsequent recipient of the product (not including the transporter).
- 2) The commodity and variety of the food (For example: Mango, Tommy Atkins).
- 3) The quantity and unit of measure of the food (For example: the number of boxes, mango caliber, and/or number of pounds).
- 4) The location description for the farm where the food was harvested.
- 5) For produce Raw Agricultural Commodities like Mangos, maintain a record that contains the name of the field/growing area from which they were harvested, or any other information identifying the harvest location at least as precisely as the field/growing area's name. Make sure that whatever name you use, it corresponds with the name used by the grower.
- 6) The date the product was harvested.
- 7) The reference document type and number (aka the bill of lading).

The rule requires that you provide this information, except for the reference document type and number, along with your business name and phone number, to the initial packer of the RAC you harvest, either directly or through the supply chain. The information can be provided in electronic, paper, or other written form.

The following is an example for these kinds of documents. Note that the Rule does not require a specific format for records, these documents are merely examples for educational purposes and not guidelines on how records must be kept.

Toto's Mango Farm		Consecutive Number
Manglares Street #1234, El Rosario, Sinaloa, México		000012
Phone: 123-456-78		
Product Harvest and traceability Log		
Date:	<u>28/08/2023</u>	
Product:	<u>Mango</u>	Variety: <u>Tommy Atkins</u>
Farm:	<u>Toto's Mangos</u>	Field: <u>Los Manglares</u>
Harvest crew:	<u>3</u>	Quantity: <u>34 baskets</u>
Packinghouse/client:	<u>Adrian's Mango Packing</u>	
Packinghouse/client adress:	<u>#123 Mango Rd. Mazatlán, Sinaloa, Mexico</u>	

Sample document, to read the full content see Appendix 1 Sample Documents.

Packinghouse

Traceability records in a mango packinghouse need to include the following information to comply with the Rule:

- 1) The commodity and, if applicable, variety of the food received (For example: product: Mango, variety: Tommy Atkins).
- 2) The date you received the mangos.
- 3) The quantity and unit of measure of the food received (For example: the number of boxes, mango caliber, and/ or number of pounds).
- 4) The location description for the farm where the food was harvested.
- 5) For produce like mangos, the name of the field or other growing area from which the food was harvested (which must correspond to the name used by the grower), or other information identifying the harvest location at least as precisely as the field or other growing area name.
- 6) The business name and phone number for the harvester of the food.
- 7) The date of harvesting.
- 8) The Traceability Lot Code you assigned.
- 9) The product description of the packed food.



- 10) The quantity and unit of measure of the packed food (For example: the number of boxes, mango caliber, and/or number of pounds).
- 11) The location description for where you initially packed the food (i.e., the Traceability Lot Code source), and (if applicable) the Traceability Lot Code source reference.
- 12) The date of initial packing; and
- 13) The reference document type and reference document number.

Adrian's Mango Packing
DAILY MANGO RECEPTION REPORT
#123 Mango Rd. Mazatlán, Sinaloa, México. Phone: 123-456-78

Harvest/reception date: 28/08/2023
Note: harvest date is the same as the date received.

Ticket No.	Farm Name	Farm Phone Number	Farm Address	Harvest Field	Mango Type	Quality Check	Pkg Type	Pkg Count	Net Weight (Kg)	Person who receives (Signature)
000012	Toto's Mango Farm	123-456-78	Manglares Street #1234, El Rosario, Sinaloa, México	Los Manglares	Tommy Atkins	✓	Basket	34	1020 Kg	Jlar
000015	Toto's Mango Farm	123-456-78	Manglares Street #1234, El Rosario, Sinaloa, México	Doña Berta	Ataulfo	✓	Basket	42	1260 Kg	Jlar
000017	Mango Arenis	123-654-57	Los Mangos Street #4321, El Rosario, Sinaloa, México	El arrollo	Keitt	✓	Basket	37	1110 Kg	Jlar

Adrian's Mango Packing
Registro de empaque y envío de mango
#123 Mango Rd. Mazatlán, Sinaloa, México. Teléfono: 123-456-78

Código de lote de trazabilidad (TLC)	Fecha de cosecha	Fecha de empaque	No. Ticket del proveedor	Proveedor	No. De orden	Cantidad	Unidades	Mango Type	Cliente	Dirección del cliente	Fecha de envío
12308280801	28/08/2023	28/08/2023	000012	Toto's Mango Farm	O-125	143	Cajas 12 Kg	Tommy Atkins	Edwin's Mango Warehouse	#123 Storage Dr. McAllen Tx. USA	29/08/2023
12308290801	28/08/2023	29/08/2023	000015	Toto's Mango Farm	O-126	170	Cajas 12 Kg	Ataulfo	Rocio Produce Storage	#456 Produce Rd. McAllen Tx. USA	30/08/2023
12308300802	28/08/2023	30/08/2023	000017	Mango Arenis	O-127	200	Cajas 4 Kg	Keitt	Angelica's Warehouse	#789 Mango Street McAllen Tx. USA	31/08/2023

Sample documents, to read the full content see Appendix 1 Sample Documents.

Traceability Guide for Mango Growers, Packers, and Importers

In addition, shipping records must include:

- 1) The Traceability Lot Code.
- 2) The quantity and unit of measure of food (For example: the number of boxes, mango caliber, and/or number of pounds).
- 3) The product description.
- 4) The location description for the immediate subsequent recipient (other than a transporter) of the food.
- 5) The location description for the location from which you shipped the food.
- 6) The date you shipped the food.
- 7) The location description for the Traceability Lot Code source, or the Traceability Lot Code source reference; and
- 8) The reference document type and reference document number (aka the bill of lading).

The Rule requires that you provide this information, except for the reference document type and reference document number, to the immediate subsequent recipient that is not a transporter, for each traceability lot that you ship. The information can be provided in electronic, paper, or other written form.

Adrian's Mango Packing Mango Packing and Shipping Log #123 Mango Rd. Mazatlán, Sinaloa, México. Phone: 123-456-78											
Traceability Lot Code (TLC)	Harvest Date	Date Packed	Supplier Ticket No.	Supplier	Order No.	Quantity	Units	Mango Type	Client	Client Address	Shipping Date
12308280801	28/08/2023	28/08/2023	000012	Toto's Mango Farm	Q-125	143	12 Kg Boxes	Tommy Atkins	Edwin's Mango Warehouse	#123 Storage Dr. McAllen Tx. USA	29/08/2023
12308290801	28/08/2023	29/08/2023	000015	Toto's Mango Farm	Q-126	170	12 Kg Boxes	Ataulfo	Rocio Produce Storage	#456 Produce Rd. McAllen Tx. USA	30/08/2023
12308300802	28/08/2023	30/08/2023	000017	Mango Arenis	Q-127	200	4 Kg Boxes	Keitt	Angelica's Warehouse	#789 Mango Street McAllen Tx. USA	31/08/2023

Sample document, to read the full content see Appendix 1 Sample Documents.

Traceability Guide for Mango Growers, Packers, and Importers

When shipping mangos:

- 1) The Traceability Lot Code.
- 2) The quantity and unit of measure of food (For example: the number of boxes, mango caliber, and/or number of pounds).
- 3) The product description.
- 4) The location description for the immediate subsequent recipient (other than a transporter) of the food.
- 5) The location description for the location from which you shipped the food.
- 6) The date you shipped the food.
- 7) The location description for the Traceability Lot Code source, or the Traceability Lot Code source reference; and
- 8) The reference document type and reference document number (aka the bill of lading).

The Rule requires that you provide this information, except for the reference document type and reference document number, to the immediate subsequent recipient that is not a transporter, for each traceability lot that you ship. The information can be provided in electronic, paper, or other written form.

Edwin's Mango Warehouse
DAILY MANGO SHIPPING REPORT
 #123 Storage Dr. McAllen Tx. USA. Phone: 123-456-78

Traceability Lot Code (TLC)	The traceability lot code source	The traceability lot code source address	Order No.	Quantity	Units	Mango Type	Client	Client Address	Shipping Date
12308280801	Adrian's Mango Packing	Manglares Street #1234, El Rosario, Sinaloa, México	Q-227	43	12 Kg Boxes	Tommy Atkins	Elias Super Store	#123 Produce Dr. New York, NY, USA	29/08/2023
022307170816	Kevin's Mangos	#123 Mango Rd. Mazatlán, Sinaloa, México.	Q-228	70	12 Kg Boxes	Ataulfo	David's Produce Emporium	#456 Retail Rd. Denver, Co. USA	30/08/2023
052307170817	Caro's Produce Packing	Los Mangos Street #4321, El Rosario, Sinaloa, México	Q-229	35	4 Kg Boxes	Keitt	Paola's Produce Shop	#789 Shopping Street San Francisco, Ca. USA	31/08/2023

Sample document, to read the full content see Appendix 1 Sample Documents.

When transforming mangos (repacking or processing):

- 1) The different Traceability Lot Codes used.
- 2) The product description for which the Traceability Lot Code applies.
- 3) The quantity and unit of measure of food for each traceability lot used.
- 4) The NEW Traceability Lot Code which you assign.
- 5) The location description for where you transformed the food.
- 6) The date the transformation was completed.
- 7) The product description for the new food product.
- 8) The quantity and unit of measure of the food (For example: the number of boxes, mango caliber, and/or number of pounds).
- 9) The reference document type and reference document number for the transformation event.



Edwin's Mango Warehouse
MANGO REPACK REPORT
 #123 Storage Dr. McAllen Tx. USA. Phone: 123-456-78

Repack Date: 31/08/2023 **Mango Type:** Tommy Atkins **Presentation:** 4 kg boxes **New Traceability Lot Code (TLC):** 0123071799

Source Traceability Lot Codes (TLC)	Product Reception Date	Quantity	Units	Supplier	Supplier's Address
12308280801	30/08/2023	13	4 Kg Boxes	Adrian's Mango Packing	Manglares Street #1234, El Rosario, Sinaloa, México
14438377303	30/08/2023	17	4Kg Boxes	Kevin's Mangos	#123 Mango Rd. Mazatlán, Sinaloa, México.
44076743188	31/08/2023	20	4Kg Boxes	Care's Produce Packing	Los Mangos Street #4321, El Rosario, Sinaloa, México

Total Number of Repacked Boxes: 50

Sample document, to read the full content see Appendix 1 Sample Documents.

Example Electronic Sortable Spreadsheets

Remember that if there is a food safety issue, FDA may ask that these records be provided in an electronic sortable spreadsheet within 24 hours of their request. A best practice is to keep as much information as possible in electronic form, so that it may be ready and available should it ever be required. A Microsoft Excel File can be used.

Let's look at how these spreadsheets can help both us and regulators determine the source of a foodborne outbreak.

Imagine there was a foodborne illness outbreak caused by mangos. Investigators are tasked with finding where the mangos became contaminated to prevent more people from becoming sick. The industry is also interested in finding the source so that people don't stop buying mangos. Working together, they track down the contaminated mangos to a warehouse using the Traceability Lot Code (12308280801), since this code is now captured throughout the supply chain, including at the grocery stores where people who got ill shopped. The information about the warehouse was also available at the store since the warehouse is the TLC source because they repacked mangos.

This Warehouse has an electronic sortable spreadsheet to keep track of all its Key Data Elements.

Eduin's Mango Warehouse
4610 Storage Dr. Dallas, TX, USA Phone: 123456789
Key Data Elements Electronic Sortable Spreadsheet

Receiving Lot Code	Reception Date	Product	Variety	Packing	Quantity (Bags)	Supplier	Supplier's Address/Original TLC Source	Receiving BCI #	Receiving/Re-Pack/Shipping Address	Client	Client Address	Shipped Quantity (Bags)	Re-Pack	Re-Pack Date	New Re-Pack TLC	Shipping Date	Shipping BCI #
1484317281	30/08/2023	Mango	Tommy Atkins	4 Kg Boxes	340	Kevin's Mangos	#123 Storage Dr. Matamoros, Sinaloa, Mexico	27891208	#123 Storage Dr. McAllen, TX, USA	Elsa Super Store	#123 Product Dr. New York, NY, USA	50	4 Kg Boxes	31/08/2023	12379429	01/09/2023	62621446
1407191286	30/08/2023	Mango	Tommy Atkins	12 Kg Boxes	188	Carla's Produce Packing	Los Mangos Street #1234, El Rosario, Sinaloa, Mexico	99810370	#123 Storage Dr. McAllen, TX, USA	Elsa Super Store	#123 Product Dr. New York, NY, USA	50	4 Kg Boxes	31/08/2023	12379429	01/09/2023	62621446
1230828081	31/08/2023	Mango	Tommy Atkins	12 Kg Boxes	345	Adrian's Mango Packing	Mangos Street #1234, El Rosario, Sinaloa, Mexico	56484305	#123 Storage Dr. McAllen, TX, USA	Elsa Super Store	#123 Product Dr. New York, NY, USA	50	4 Kg Boxes	31/08/2023	12379429	01/09/2023	62621446
2280170826	31/08/2023	Mango	Ataulfo	12 Kg Boxes	370	Kevin's Mangos	#123 Storage Dr. Matamoros, Sinaloa, Mexico	42615459	#123 Storage Dr. McAllen, TX, USA	David's Produce Emporium	#456 Retail Rd. Denver, Co, USA	50	12 Kg Boxes	01/09/2023	80578206	10/09/2023	42772385
15307170817	31/08/2023	Mango	Kenit	4 Kg Boxes	300	Carla's Produce Packing	#123 Mangullera Street, Matamoros, Sinaloa, Mexico	56221550	#123 Storage Dr. McAllen, TX, USA	Paula's Produce Shop	#789 Shopping Street San Francisco, Ca, USA	35	4 Kg Boxes	N/A	N/A	06/09/2023	92501130
1559912524	01/09/2023	Mango	Tommy Atkins	4 Kg Boxes	200	Kevin's Mangos	#123 Storage Dr. Matamoros, Sinaloa, Mexico	21232058	#123 Storage Dr. McAllen, TX, USA	Paula's Produce Shop	#789 Shopping Street San Francisco, Ca, USA	35	4 Kg Boxes	02/09/2023	92511323	07/09/2023	86841341
6645729128	01/09/2023	Mango	Tommy Atkins	12 Kg Boxes	375	Kevin's Mangos	#123 Storage Dr. Matamoros, Sinaloa, Mexico	38238084	#123 Storage Dr. McAllen, TX, USA	Paula's Produce Shop	#789 Shopping Street San Francisco, Ca, USA	35	12 Kg Boxes	02/09/2023	92511323	07/09/2023	86841341
2384713350	06/09/2023	Mango	Ataulfo	12 Kg Boxes	185	Carla's Produce Packing	Los Mangos Street #1234, El Rosario, Sinaloa, Mexico	23817925	#123 Storage Dr. McAllen, TX, USA	David's Produce Emporium	#456 Retail Rd. Denver, Co, USA	20	12 Kg Boxes	07/09/2023	80578206	10/09/2023	42772385
7105013100	06/09/2023	Mango	Ataulfo	12 Kg Boxes	185	Carla's Produce Packing	Los Mangos Street #1234, El Rosario, Sinaloa, Mexico	57451433	#123 Storage Dr. McAllen, TX, USA	David's Produce Emporium	#456 Retail Rd. Denver, Co, USA	20	12 Kg Boxes	07/09/2023	80578206	10/09/2023	42772385
1230828081	06/09/2023	Mango	Ataulfo	12 Kg Boxes	174	Adrian's Mango Packing	Mangos Street #1234, El Rosario, Sinaloa, Mexico	78827288	#123 Storage Dr. McAllen, TX, USA	Paula's Produce Shop	#789 Shopping Street San Francisco, Ca, USA	45	12 Kg Boxes	10/09/2023	92522085	12/09/2023	89612584
7175017001	07/09/2023	Mango	Ataulfo	12 Kg Boxes	185	Kevin's Mangos	#123 Storage Dr. Matamoros, Sinaloa, Mexico	62239605	#123 Storage Dr. McAllen, TX, USA	Paula's Produce Shop	#789 Shopping Street San Francisco, Ca, USA	45	12 Kg Boxes	10/09/2023	92522085	12/09/2023	89612584
1130235212	08/09/2023	Mango	Hydrex	12 Kg Boxes	156	Carla's Produce Packing	Los Mangos Street #1234, El Rosario, Sinaloa, Mexico	49891491	#123 Storage Dr. McAllen, TX, USA	Elsa Super Store	#123 Product Dr. New York, NY, USA	12	4 Kg Boxes	13/09/2023	97877703	14/09/2023	44808112
766204801	10/09/2023	Mango	Hydrex	12 Kg Boxes	185	Kevin's Mangos	#123 Storage Dr. Matamoros, Sinaloa, Mexico	75188122	#123 Storage Dr. McAllen, TX, USA	Elsa Super Store	#123 Product Dr. New York, NY, USA	12	4 Kg Boxes	13/09/2023	97877703	14/09/2023	44808112
1230828081	10/09/2023	Mango	Hydrex	12 Kg Boxes	180	Adrian's Mango Packing	#123 Mangullera Street, Matamoros, Sinaloa, Mexico	98854251	#123 Storage Dr. McAllen, TX, USA	Paula's Produce Shop	#789 Shopping Street San Francisco, Ca, USA	14	12 Kg Boxes	14/09/2023	80502821	15/09/2023	85201656
7105013100	10/09/2023	Mango	Hydrex	4 Kg Boxes	212	Kevin's Mangos	#123 Storage Dr. Matamoros, Sinaloa, Mexico	11791105	#123 Storage Dr. McAllen, TX, USA	Paula's Produce Shop	#789 Shopping Street San Francisco, Ca, USA	14	12 Kg Boxes	14/09/2023	80502821	15/09/2023	85201656
1247739353	13/09/2023	Mango	Kenit	4 Kg Boxes	189	Carla's Produce Packing	Los Mangos Street #1234, El Rosario, Sinaloa, Mexico	30648307	#123 Storage Dr. McAllen, TX, USA	Paula's Produce Shop	#789 Shopping Street San Francisco, Ca, USA	12	4 Kg Boxes	14/09/2023	38729828	17/09/2023	41496460
9486827210	14/09/2023	Mango	Kenit	12 Kg Boxes	203	Carla's Produce Packing	Los Mangos Street #1234, El Rosario, Sinaloa, Mexico	40284669	#123 Storage Dr. McAllen, TX, USA	Paula's Produce Shop	#789 Shopping Street San Francisco, Ca, USA	12	4 Kg Boxes	14/09/2023	38729828	17/09/2023	41496460
8040214913	14/09/2023	Mango	Kenit	4 Kg Boxes	189	Kevin's Mangos	#123 Storage Dr. Matamoros, Sinaloa, Mexico	95170909	#123 Storage Dr. McAllen, TX, USA	Elsa Super Store	#123 Product Dr. New York, NY, USA	42	12 Kg Boxes	18/09/2023	73830844	19/09/2023	83446454
8924089319	14/09/2023	Mango	Kenit	12 Kg Boxes	177	Kevin's Mangos	#123 Storage Dr. Matamoros, Sinaloa, Mexico	90200778	#123 Storage Dr. McAllen, TX, USA	Elsa Super Store	#123 Product Dr. New York, NY, USA	42	12 Kg Boxes	18/09/2023	73830844	19/09/2023	83446454
1230828081	15/09/2023	Mango	Kenit	12 Kg Boxes	217	Adrian's Mango Packing	Los Mangos Street #1234, El Rosario, Sinaloa, Mexico	79421289	#123 Storage Dr. McAllen, TX, USA	Elsa Super Store	#123 Product Dr. New York, NY, USA	62	12 Kg Boxes	N/A	N/A	20/09/2023	80197077
4317017910	15/09/2023	Mango	Kenit	12 Kg Boxes	154	Carla's Produce Packing	Los Mangos Street #1234, El Rosario, Sinaloa, Mexico	42400061	#123 Storage Dr. McAllen, TX, USA	David's Produce Emporium	#456 Retail Rd. Denver, Co, USA	64	4 Kg Boxes	18/09/2023	78339703	20/09/2023	41287777
6317013215	17/09/2023	Mango	Kenit	12 Kg Boxes	137	Kevin's Mangos	#123 Storage Dr. Matamoros, Sinaloa, Mexico	85200436	#123 Storage Dr. McAllen, TX, USA	David's Produce Emporium	#456 Retail Rd. Denver, Co, USA	64	4 Kg Boxes	18/09/2023	78339703	21/09/2023	41287777

Sample document, to read the full content see Appendix 1 Sample Documents.

By knowing the Food Traceability Lot Code (12308280801) we can filter through its information to find where the product came from. Here we can see that the product was repacked with product from 3 different suppliers.

#123 Storage Dr. McAllen, TX, USA. Phone: 123-456-78															
Key Data Elements Electronic Sortable Spreadsheets															
Receiving Lot Code	Reception Date	Product	Variety	Packing Presentation	Quantity (Boxes)	Supplier	Supplier's Address/TLC Source	Receiving BOL #	Receiving/Shipping Address	Client	Client Address	Shipped Quantity (Boxes)	Packing Presentation	Shipping Date	Shipping BOL #
520773087	31/08/2023	Mango	Ellé	4 Kg Boxes	150	Carli's Produce Packing	#123 Manguifera Street, Mazatlán, Sinaloa, México	5612316	#123 Storage Dr. McAllen, TX, USA	Paul's Produce Shop	#789 Shipping Street San Francisco, CA, USA	35	4 Kg Boxes	06/09/2023	9351510
574739433	12/09/2023	Mango	Keltt	4 Kg Boxes	198	Carli's Produce Packing	Los Rosaris, Sinaloa, México	1064837	#123 Storage Dr. McAllen, TX, USA	Paul's Produce Shop	#789 Shipping Street San Francisco, CA, USA	36	4 Kg Boxes	17/09/2023	4346660
6318712525	17/09/2023	Mango	Kent	12 Kg Boxes	137	Kevin's Mangos	#123 Mango Rd. Mazatlán, Sinaloa, México	8159436	#123 Storage Dr. McAllen, TX, USA	David's Produce Emporium	#456 Retail Rd. Denver, CO, USA	47	12 Kg Boxes	21/09/2023	87953706

If we trace our product to Adrian's Mango Packing, we find that they also kept track of their Key Data Elements using an electronic sortable spreadsheet.

Adrian's Mango Packing																			
Key Data Elements Electronic Sortable Spreadsheets																			
Ticket #	Reception Date	Harvest Date	Product	Variety	Quantity (Baskets)	Net Weight (Kg)	Field	Coordinates	Supplier	Supplier's Address	Lot Code	Initial Pack	Repacked	Quantity	Packing Location/LOT Code Based	Client	Client Address	Shipped Date	BOL #
000016	21/08/2023	16/08/2023	Mango	Tommy Atkins	64	1200	Valeria	28.643305580591512, -106.10512393792253	Adrian's Mango Packing	#123 Mango Rd. Mazatlán, Sinaloa, México	12308280801	12308280801	0	64	#123 Mango Rd. Mazatlán, Sinaloa, México	Adrian's Mango Packing	#123 Mango Rd. Mazatlán, Sinaloa, México	06/09/2023	94561345
000017	21/08/2023	16/08/2023	Mango	Tommy Atkins	64	1200	Valeria	28.643305580591512, -106.10512393792253	Mega Mango Pack	#456 Frutal Rd. Mazatlán, Sinaloa, México	12308280801	12308280801	0	64	#456 Frutal Rd. Mazatlán, Sinaloa, México	Mega Mango Pack	#456 Frutal Rd. Mazatlán, Sinaloa, México	06/09/2023	34544443
000018	21/08/2023	16/08/2023	Mango	Tommy Atkins	64	1200	Valeria	28.643305580591512, -106.10512393792253	Adrian's Mango Packing	#123 Mango Rd. Mazatlán, Sinaloa, México	12308280801	12308280801	0	64	#123 Mango Rd. Mazatlán, Sinaloa, México	Adrian's Mango Packing	#123 Mango Rd. Mazatlán, Sinaloa, México	06/09/2023	56444615
000019	21/08/2023	16/08/2023	Mango	Tommy Atkins	64	1200	Valeria	28.643305580591512, -106.10512393792253	Adrian's Mango Packing	#123 Mango Rd. Mazatlán, Sinaloa, México	12308280801	12308280801	0	64	#123 Mango Rd. Mazatlán, Sinaloa, México	Adrian's Mango Packing	#123 Mango Rd. Mazatlán, Sinaloa, México	06/09/2023	43654645

Which they can use to filter with which specific farm the mangos came from.

Adrian's Mango Packing												
Key Data Elements Electronic Sortable Spreadsheets												
Ticket #	Reception Date	Harvest Date	Product	Variety	Quantity (Baskets)	Net Weight (Kg)	Field	Coordinates	Supplier	Supplier's Phone Number	Supplier's Address	BOL #
000016	28/08/2023	28/08/2023	Mango	Tommy Atkins	64	1200	Valeria	28.643305580591512, -106.10512393792253	Adrian's Mango Packing	123-876-54	#123 Manguifera Street, Mazatlán, Sinaloa, México	94561345
000018	30/08/2023	30/08/2023	Mango	Tommy Atkins	64	1200	Valeria	28.643305580591512, -106.10512393792254	Adrian's Mango Packing	123-876-54	#123 Manguifera Street, Mazatlán, Sinaloa, México	34544443
000023	04/09/2023	04/09/2023	Mango	Hayden	54	1620	San Juan	28.65722984564073, -106.0837598360654	Adrian's Mango Packing	123-876-54	#123 Manguifera Street, Mazatlán, Sinaloa, México	56444615

The farm has their own electronic sortable spreadsheet with which to confirm the mangos came from their farm, and more importantly, they can cross reference with their records to find out where and how the product may have become contaminated in their farm and if any other product shipped may be contaminated. Note that this does not mean the product becomes contaminated at the farm, only that traceback can go back to the farm level.

Toto's Mango Farm												
Key Data Elements Electronic Sortable Spreadsheets												
Ticket No.	Harvest Date	Product	Variety	Field	Coordinates	Harvest Crew	Quantity (Baskets)	Client	Client's Address	BOL #		
000010	25/08/2023	Mango	Tommy Atkins	Los Manglares	28.643305580591512, -106.10512393792253	3	30	Adrian's Mango Packing	#123 Mango Rd. Mazatlán, Sinaloa, México	94561345		
000011	26/08/2023	Mango	Tommy Atkins	Los Manglares	28.643305580591512, -106.10512393792253	2	51	Mega Mango Pack	#456 Frutal Rd. Mazatlán, Sinaloa, México	34544443		
000012	28/08/2023	Mango	Tommy Atkins	Los Manglares	28.643305580591512, -106.10512393792253	3	34	Adrian's Mango Packing	#123 Mango Rd. Mazatlán, Sinaloa, México	56444615		
000015	28/08/2023	Mango	Doña Berta	Doña Berta	28.635259678965838, -106.06748920869542	3	42	Adrian's Mango Packing	#123 Mango Rd. Mazatlán, Sinaloa, México	43654645		
000016	28/08/2023	Mango	Tommy Atkins	Los Manglares	28.643305580591512, -106.10512393792253	2	64	Ivette's Fruit Packing	#789 Manguifera Street, Mazatlán, Sinaloa, México	56123216		
000017	29/08/2023	Mango	Tommy Atkins	Los Manglares	28.643305580591512, -106.10512393792253	2	54	Mega Mango Pack	#456 Frutal Rd. Mazatlán, Sinaloa, México	36144345		
000018	30/08/2023	Mango	Tommy Atkins	Los Manglares	28.643305580591512, -106.10512393792253	1	34	Ivette's Fruit Packing	#789 Manguifera Street, Mazatlán, Sinaloa, México	61134363		
000019	31/08/2023	Mango	Doña Berta	Doña Berta	28.635259678965838, -106.06748920869542	2	45	Adrian's Mango Packing	#123 Mango Rd. Mazatlán, Sinaloa, México	54583225		
000020	01/09/2023	Mango	Doña Berta	Doña Berta	28.635259678965838, -106.06748920869542	3	56	Mega Mango Pack	#456 Frutal Rd. Mazatlán, Sinaloa, México	45285846		
000021	02/09/2023	Mango	Doña Berta	Doña Berta	28.635259678965838, -106.06748920869542	3	64	Adrian's Mango Packing	#123 Mango Rd. Mazatlán, Sinaloa, México	76237916		

Sample documents, to read the full content see Appendix I Sample Documents.

Appendix 1 Sample Documents

Mango Farm Food Traceability Plan

Mango Farm Food Traceability Plan	CODE: SOP-TRACE-1.7
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OBJECTIVE

Food traceability is a crucial aspect of ensuring food safety, quality, and compliance with regulations. By implementing a comprehensive food traceability plan, the mango farm can enhance consumer confidence, improve overall quality, and quickly address any issues that may arise during the mango supply chain.

RESPONSIBILITY

- The manager or person responsible for the Food Traceability Plan is responsible for distributing copies of the documents required in different areas, such as records and procedures of the tasks to be performed. They are also responsible for removing any obsolete documentation, inspecting, collecting, and filing all records that are full.
- The manager or person responsible of the Food Traceability Plan is also responsible for replying to any questions regarding the traceability plan and records.

Person responsible for the Food Traceability Plan:	Arenis Pifon	<i>A.P.</i>
	Name	Signature

PRODUCTS ON THE FDA'S FOOD TRACEABILITY LIST

- All new products are checked against the FDA's Food Traceability when they are first introduced.
- All products are checked against the FDA's Food Traceability whenever there is a change by FDA to the foods on the list (Approx. every 5 years).

#	Product	On the FTL?
1	Tommy Atkins	YES
2	Ataulfo	YES
3	Kelt	YES

CRITICAL TRACKING EVENTS (CTEs)

Product Harvesting is the only Critical Tracking Event (CTE) that has been identified at this mango farm. No other activities such as cooling or initial packing are done at the farm.

#	Critical Tracking Events (CTEs)	Key Data Elements (KDEs)
1	Product Harvesting	<ul style="list-style-type: none"> • Product description (type/variety of mango) • Quantity of product • A description of the location where the product was grown and harvested (name of the farm and field and their location as precise as possible) • Location description for the next recipient (likely the packinghouse it is headed to) • Date of harvest

Mango Farm Food Traceability Plan	CODE: SOP-TRACE-1.7
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RECORDKEEPING

- All documents are kept for two years.
- All paper documentation for the Food Safety Plan and the food traceability system (procedures, records, reference documents, manuals, policies, guidelines, etc.) will remain on-site within the farm's office building in labeled binders or as digital files backed up to the company's cloud service.
- All traceability records must include the following information and a document with this information is provided to the packinghouse:
 - 1) A description for the location of the immediate subsequent recipient of the product (not including the transporter).
 - 2) The commodity and variety of the food (For example: Mango, Tommy Atkins).
 - 3) The quantity and unit of measure of the food (For example: the number of boxes, mango caliber, and/or number of pounds).
 - 4) The location description for the farm where the food was harvested.
 - 5) For produce Raw Agricultural Commodities like Mangos, maintain a record that contains the name of the field/growing area from which they were harvested, or any other information identifying the harvest location at least as precisely as the field/growing area's name. Make sure that whatever name you use, it corresponds with the name used by the grower.
 - 6) The date the product was harvested.
 - 7) The reference document type and number (aka the Bill of Lading).
 - 8) Business name and phone number.

GROWING LOCATIONS

All product is grown on the following fields:

#	Product	Field Name	Field Location
1	Tommy Atkins	TOTO 1	27.422677818370688, -106.75826280793042
2	Ataulfo	TOTO 2	27.422777908794366, -106.75868883220826
3	Kelt	TOTO 3	27.468548481065716, -106.73561423581666

Toto's Mango Farm

Field 1 – Los Manglares

(28.643305580591512, -106.10512393792253)

Field 2 – Doña Berta

(28.635259678965838, -106.06748920869542)



Mango Farm Food Traceability Plan	CODE: SOP-TRACE-1.7
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PREVENTIVE MEASURES

Traceability exercise (NOT a Food Traceability Rule Requirement)

- Once a year a traceability exercise (mock recall) is done tracing product one step backwards and one step forward.
- The maximum amount of time to accomplish traceability should not be greater than 6 hours.
- Traceability exercises must have 100% of the product to be traced.
- In the case of not having all 100%, corrective actions should be taken, and the exercise should be rescheduled.
- The results of the exercise are registered in (REG-TRACE-1.6.4)

Product Harvest and Traceability Log

Toto's Mango Farm

Manglares Street #1234, El Rosario, Sinaloa, México

Phone: 123-456-78

Consecutive Number

000012

Product Harvest and traceability Log

Date: 28/08/2023

Product: Mango

Variety: Tommy Atkins

Farm: Toto's Mangos

Field: Los Manglares

Harvest crew: 3

Quantity: 34 baskets

Packinghouse/client: Adrian's Mango Packing

Packinghouse/client address: #123 Mango Rd. Mazatlán, Sinaloa, Mexico

Mango Packinghouse Food Traceability Plan

Mango Packinghouse Food Traceability Plan	CODE: SOP-TRACE-1.7
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OBJECTIVE

Food traceability is a crucial aspect of ensuring food safety, quality, and compliance with regulations. By implementing a comprehensive food traceability plan, the mango packinghouse can enhance consumer confidence, improve overall quality, and quickly address any issues that may arise during the mango supply chain.

RESPONSIBILITY

- The manager or person responsible for the Food Traceability Plan is responsible for distributing copies of the documents required in different areas, such as records and procedures of the tasks to be performed. They are also responsible for removing any obsolete documentation, inspecting, collecting, and filing all records that are full.
- The manager or person responsible of the Food Traceability Plan is also responsible for replying to any questions regarding the traceability plan and records.

Person responsible for the Food Traceability Plan:	Arenis Piñón	<i>Arenis Piñón</i>
	Name	Signature

PRODUCTS ON THE FDA'S FOOD TRACEABILITY LIST

- All new products are checked against the FDA's Food Traceability when they are first introduced.
- All products are checked against the FDA's Food Traceability whenever there is a change by FDA to the foods on the list (Approx. every 5 years).

#	Product	On the FTL?
1	Tommy Atkins	YES
2	Ataulfo	YES
3	Keitt	YES

CRITICAL TRACKING EVENTS (CTEs)

Initial Packing and Shipping are the two Critical Tracking Event (CTE) that have been identified at this mango packinghouse.

#	Critical Tracking Events (CTEs)	Key Data Elements (KDEs)
1	Initial Packing	<ul style="list-style-type: none"> ▪ Product description (type/variety of mango) ▪ Location description of where the food was harvested.

<p>Mango Packinghouse Food Traceability Plan</p>	<p>CODE: SOP-TRACE-1.7</p>
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		<ul style="list-style-type: none"> • Business name and phone number for the harvester of the food • Date of harvesting • Date of receiving • Quantity of product received • Traceability lot code <u>YOU</u> assigned • Product description of the packed food • Quantity of the packed food • Date of initial packing • Location description for where you initially packed the food (e.g., traceability lot code source) • Reference document type and reference document number (e.g., bill of lading)
	<p>Shipping</p>	<ul style="list-style-type: none"> • Traceability lot code <u>YOU</u> assigned • Quantity of product • Product description (type/variety of mango) • Location description for the next recipient • Location description for the location from which you shipped the food (might be the same as where it was initially packed) • Location description for where you initially packed the food (e.g., traceability lot code source) • Date of shipment • Reference document type and reference document number (e.g., bill of lading)

Mango Packinghouse Food Traceability Plan	CODE: SOP-TRACE-1.7
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TRACEABILITY LOT CODE (TLC)

- Assigning a traceability lot code to a mango box at a mango packinghouse involves systematically labeling each box with a unique identifier that allows for easy tracking and tracing of the mangos back to their source.
- The lot size is determined based on factors such as harvest date, mango variety, and specific farm section or plot.
- The following code is used to set the Traceability Lot Code

01	23	07	17	08	03
Growing Location Code (Also indicates Variety)	Year	Month	Day	Mangos per box (Caliber)	Consecutive number
	Packing Date				

RECORDKEEPING

- All documents are kept for two years.
- All paper documentation for the Food Safety Plan and the food traceability system (procedures, records, reference documents, manuals, policies, guidelines, etc.) will remain on-site within the packinghouse office building in labeled binders or as digital files backed up to the company's cloud service.
- All traceability records must include the following information and a document with the information designated with an Asterisk* is also provided to the warehouse:
 - 1] The commodity and, if applicable, variety of the food received (For example: Mango, Ataulfo). *
 - 2] The date you received the mangos. *
 - 3] The quantity and unit of measure of the food received (For example: the number of boxes, mango caliber, and/or number of pounds). *
 - 4] The location description for the farm where the food was harvested. *
 - 5] For produce like mangos, the name of the field or other growing area from which the food was harvested (which must correspond to the name used by the grower), or other information identifying the harvest location at least as precisely as the field or other growing area name.
 - 6] The business name and phone number for the harvester of the food.
 - 7] The date of harvesting. *
 - 8] The traceability lot code you assigned. *
 - 9] The product description of the packed food. *
 - 10] The quantity and unit of measure of the packed food (For example: the number of boxes, mango caliber, and/or number of pounds). *

Mango Packinghouse Food Traceability Plan	CODE: SOP-TRACE-1.7
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- 11) The location description for where you initially packed the food (i.e., the traceability lot code source), and (if applicable) the traceability lot code source reference. *
- 12) The date of initial packing. *
- 13) The reference document type and reference document number. *

- In addition, shipping records must include:
 - 1) The traceability lot code. *
 - 2) The quantity and unit of measure of food (For example: the number of boxes, mango caliber, and/or number of pounds). *
 - 3) The product description. *
 - 4) The location description for the immediate subsequent recipient (other than a transporter) of the food. *
 - 5) The location description for the location from which you shipped the food. *
 - 6) The date you shipped the food. *
 - 7) The location description for the traceability lot code source, or the traceability lot code source reference. *
 - 8) The reference document type and reference document number (aka the Bill of Lading). *

GROWING LOCATIONS

All product is obtained from the following fields:

Code #	Product	Field Name	Field Location
01	Tommy Atkins	TOTO 1	27.422577819370588, -106.75825280793042
02	Alaulfo	TOTO 2	27.422777906794355, -106.75966663220925
03	Keitt	TOTO 3	27.468548481055716, -106.73561423581658

PREVENTIVE MEASURES

Traceability exercise (NOT a Food Traceability Rule Requirement)

- Once a year a traceability exercises (mock recall) is done tracing product one step backwards and one step forward.
- The maximum amount of time to accomplish traceability should not be greater than 6 hours.
- Traceability exercises must have 100% of the product to be traced.
- In the case of not having all 100%, corrective actions should be taken, and the exercise should be rescheduled.
- The results of the exercise are registered in (REG-TRACE-1.6.4)

Product Description

Product Description	
Product name	Mango
Product Description	Mangoes packed in corrugated cardboard boxes in presentations of 4 Kg and 12 Kg.
Ingredients	Mangoes USDA #1 from Haden, Kent and Tommy Atkins varieties.
Packaging	Corrugated cardboard boxes of 4 Kg and 12 Kg.
Intended use	Consumed fresh.
Consumer	General public of all ages, not breastfeeding.
Shelf life	28 days under refrigeration (10-12 °C) and without breaking the cold chain.
Label requirements	Keep refrigerated (10-12 °C).
Storage and distribution	Temperature: 10-12 °C.
On Food Traceability List?	Yes
Approved by: Signature: <i>Adrián M.</i> Name: Adrián Mujica.	Date: 08/08/2024.

Mango Warehouse Food Traceability Plan

Mango Warehouse and Processing Food Traceability Plan	CODE: SOP-TRACE-1.7
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OBJECTIVE

Food traceability is a crucial aspect of ensuring food safety, quality, and compliance with regulations. By implementing a comprehensive food traceability plan, the mango warehouse can enhance consumer confidence, improve overall quality, and quickly address any issues that may arise during the mango supply chain.

RESPONSIBILITY

- The manager or person responsible for the Food Traceability Plan is responsible for distributing copies of the documents required in different areas, such as records and procedures of the tasks to be performed. They are also responsible for removing any obsolete documentation, inspecting, collecting, and filing all records that are full.
- The manager or person responsible of the Food Traceability Plan is also responsible for replying to any questions regarding the traceability plan and records.

Person responsible for the Food Traceability Plan:	Arenis Piñón	<i>Arenis P.</i>
	Name	Signature

PRODUCTS ON THE FDA'S FOOD TRACEABILITY LIST

- All new products are checked against the FDA's Food Traceability when they are first introduced.
- All products are checked against the FDA's Food Traceability whenever there is a change by FDA to the foods on the list (Approx. every 5 years).

#	Product	On the FTL?
1	Tommy Atkins	YES
2	Ataulfo	YES
3	Keitt	YES

**Mango Warehouse and Processing Food
Traceability Plan**

**CODE:
SOP-TRACE-1.7**

CRITICAL TRACKING EVENTS (CTEs)

Shipping, receiving and product repacking (Transformation) are the three Critical Tracking Event (CTE) that have been identified at this mango warehouse.

#	Critical Tracking Events (CTEs)	Key Data Elements (KDEs)
1	Shipping and receiving	<ol style="list-style-type: none"> For receiving (Critical Tracking Event) <ul style="list-style-type: none"> Traceability lot code of the food. Quantity of product Product description (type/variety of mango) Location description for the previous source of the food (other than transporter) Location description for the location where the food was received. Date on which the food was received. Location description for the traceability lot code source or the traceability lot code source reference Reference document type and reference document number (e.g., Bill of Lading) For shipping (Critical Tracking Event) <ul style="list-style-type: none"> Traceability lot code of the food. Quantity of product Product description (type/variety of mango) Location description for the next recipient Location description for the location from which you shipped the food. Date of shipment Location description for the traceability lot code source or the traceability lot code source reference Reference document type and reference document number (e.g., Bill of Lading)
	Repacking (Transformation)	<ul style="list-style-type: none"> Traceability lot codes of the foods being mixed/commingled. Quantity of product The date you received the food. Location description for the previous source of the food (other than transporter) Location description for the location where the food was received. Date on which the food was received. Location description of where the food was harvested. Business name and phone number for the harvester of the food Date of harvesting

Mango Warehouse and Processing Food Traceability Plan	CODE: SOP-TRACE-1.7
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	<p>In addition, for the NEWLY transformed product:</p> <ul style="list-style-type: none"> ▪ The NEW traceability lot code for the food that We assign. ▪ Product description (type/variety of mango) ▪ Location description for where you transformed the food (e.g., the traceability lot code source). ▪ Date of transformation/repacking ▪ Reference document type and reference document number (e.g., Bill of Lading)
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TRACEABILITY LOT CODE (TLC)

- Assigning a traceability lot code to a mango box at a mango warehouse involves systematically labeling each box with a unique identifier that allows for easy tracking and tracing of the mangoes back to their source.
- The lot size is determined based on factors such as harvest date, mango variety, and specific farm section or plot.
- A record is kept indicating what product lots (TLCs), went into each NEW Lot (New TLC).
- The following code is used to set the Traceability Lot Code.

01	23	07	17	08	15
Supplier Code (Also indicates Variety)	Year	Month	Day	Mangos/box (Caliber)	Consecutive number

RECORDKEEPING

- All documents are kept for two years.
- All paper documentation for the Food Safety Plan and the food traceability system (procedures, records, reference documents, manuals, policies, guidelines, etc.) will remain on-site within the farm's office building in labeled binders or as digital files backed up to the company's cloud service.
- All traceability records must include the following information:

When receiving mangos:

- 1) The traceability lot code
- 2) The quantity and unit of measure of food (For example: the number of boxes, mango caliber, and/or number of pounds)
- 3) The product description

<p>Mango Warehouse and Processing Food Traceability Plan</p>	<p>CODE: SOP-TRACE-1.7</p>
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- 4) The location description for the immediate previous source (other than a transporter) of the food
- 5) The location description for the location where you received the food.
- 6) The date you received the food
- 7) The location description for the traceability lot code source, or the traceability lot code source reference; and
- 8) The reference document type and reference document number (aka the Bill of Lading)

When shipping mangos:

- 1) The traceability lot code
- 2) The quantity and unit of measure of food (For example: the number of boxes, mango caliber, and/or number of pounds)
- 3) The product description
- 4) The location description for the immediate subsequent recipient (other than a transporter) of the food
- 5) The location description for the location from which you shipped the food
- 6) The date you shipped the food
- 7) The location description for the traceability lot code source, or the traceability lot code source reference; and
- 8) The reference document type and reference document number (aka the Bill of Lading)

When transforming mangos (repacking or processing):

- 1) The different traceability lot codes used
- 2) The product description for which the traceability lot code applies
- 3) The quantity and unit of measure of food for each traceability lot used
- 4) The date you received the food
- 5) Location description for the previous source of the food (other than transporter)
- 6) Location description for the location where the food was received
- 7) Date on which the food was received
- 8) Location description of where the food was harvested
- 9) Business name and phone number for the harvester of the food
- 10) Date of harvesting
- 11) The **NEW** traceability lot code which we assign
- 12) The location description for where we transformed the food
- 13) The date transformation was completed
- 14) The product description for the new food product
- 15) The quantity and unit of measure of the food (For example: the number of boxes, mango caliber, and/or number of pounds)
- 16) The reference document type and reference document number for the transformation event

Mango Warehouse and Processing Food Traceability Plan	CODE: SOP-TRACE-1.7
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SUPPLIERS

All product is obtained from the following suppliers:

Code #	Product	Supplier Name	Field Location
01	Tommy Atkins	TOTO's Mango	Calle del manglar #22 Barra de Navidad, Colima, Mexico
02	Ataulfo	Mangos Pa Todos	Calle del manglar #27 Barra de Navidad, Colima, Mexico
03	Keltt	Los Mangos de Rocio	Calle del manglar #43 Barra de Navidad, Colima, Mexico

PREVENTIVE MEASURES

Traceability exercise (NOT a Food Traceability Rule Requirement)

- Once a year a traceability exercises (mock recall) is done tracing product one step backwards and one step forward.
- The maximum amount of time to accomplish traceability should not be greater than 6 hours.
- Traceability exercises must have 100% of the product to be traced.
- In the case of not having all 100%, corrective actions should be taken, and the exercise should be rescheduled.
- The results of the exercise are registered in (REG-TRACE-1.6.4)

Mango Repack Report

Edwin's Mango Warehouse
MANGO REPACK REPORT
 #123 Storage Dr. McAllen Tx, USA. Phone: 123-456-78

Repack Date: 31/06/2023 Mango Type: Tommy Atkins Presentation: 4 kg boxes New Traceability Lot Code (TLC): 0628071799

Source Traceability Lot Codes (TLC)	Product Reception Date	Quantity	Units	Supplier	Supplier's Address
03906090601	30/06/2023	5	4 kg Boxes	Alicia's Mango Packing	Mangrove Street #1034, El Kocame, Sinaloa, Mexico
14439877903	30/06/2023	7	4kg Boxes	Kevin's Mango	#123 Mango Rd. Magallán, Chihuahua, México.
44076743856	31/06/2023	30	4kg Boxes	Carla's Produce Packing	Los Mangos Street #4331, El Kocame, Sinaloa, México

Total Number of Repacked Boxes: 50

Daily Mango Shipping Report

Edwin's Mango Warehouse
INFORME DIARIO DE ENVÍO DE MANGOS
 #123 Storage Dr. McAllen Tx. USA. Teléfono: 123-456-78

Código de lote de trazabilidad (TLC)	Origen del código de lote de trazabilidad	Dirección del origen del TLC	No. De orden	Cantidad	Unidades	Variedad de Mango	Cliente	Dirección del cliente	Fecha de envío
12308380801	Adrian's Mango Packing	Manglaras Street #1234, El Rosario, Guadalupe, México	Q-227	43	Cajas 12 Kg	Tommy Atkins	Elias Super Store	#123 Produce Dr. New York, N.Y. USA	29/08/2023
022307470816	Kevin's Mangos	#123 Mangos Rd. Magatlan, Guadalupe, México.	Q-228	70	Cajas 12 Kg	Ataulfo	David's Produce Emporium	#456 Retail Rd. Denver, Co. USA	30/08/2023
052307470817	Angelica's Tropical Fruit	#456 Mangos Street, Magatlan, Guadalupe, México	Q-229	35	Cajas 4 Kg	Keitt	Paula's Produce Shop	#789 Shopping Street San Francisco, Ca. USA	31/08/2023

Electronic Sortable Spreadsheets Farm

Toto's Mango Farm Mangifera Street #1234, El Rosario, Sinaloa, Mexico. Phone: 123-456-78 Key Data Elements Electronic Sortable Spreadsheets												
Ticket No.	Harvest Date	Product	Variety	Field	Coordinates	Harvest Crew	Quantity (Baskets)	Client	Client's Address	BOL #		
000010	25/08/2023	Mango	Tommy Atkins	Los Manglares	28.643305580591512, -106.105112393792253	3	30	Adrian's Mango Packing	#123 Mango Rd, Mazatlán, Sinaloa, Mexico	94561345		
000011	26/08/2023	Mango	Tommy Atkins	Los Manglares	28.643305580591512, -106.105112393792253	2	51	Mega Mango Pack	#456 Frutal Rd, Mazatlán, Sinaloa, Mexico	34544443		
000012	28/08/2023	Mango	Tommy Atkins	Los Manglares	28.643305580591512, -106.105112393792253	3	34	Adrian's Mango Packing	#123 Mango Rd, Mazatlán, Sinaloa, Mexico	56444165		
000015	28/08/2023	Mango	Ataulfo	Doria Beta	28.63259678965838, -106.06748920869542	3	42	Adrian's Mango Packing	#123 Mango Rd, Mazatlán, Sinaloa, Mexico	43564645		
000016	29/08/2023	Mango	Tommy Atkins	Los Manglares	28.643305580591512, -106.105112393792253	2	64	Ivette's Fruit Packing	#789 Mangüfiera Street, Mazatlán, Sinaloa, Mexico	56122516		
000017	30/08/2023	Mango	Tommy Atkins	Los Manglares	28.643305580591512, -106.105112393792253	2	54	Mega Mango Pack	#456 Frutal Rd, Mazatlán, Sinaloa, Mexico	36144345		
000018	30/08/2023	Mango	Tommy Atkins	Los Manglares	28.643305580591512, -106.105112393792253	1	34	Ivette's Fruit Packing	#789 Mangüfiera Street, Mazatlán, Sinaloa, Mexico	61134163		
000019	31/08/2023	Mango	Ataulfo	Doria Beta	28.63259678965838, -106.06748920869542	2	45	Adrian's Mango Packing	#123 Mango Rd, Mazatlán, Sinaloa, Mexico	94583225		
000020	01/09/2023	Mango	Ataulfo	Doria Beta	28.63259678965838, -106.06748920869542	2	56	Mega Mango Pack	#456 Frutal Rd, Mazatlán, Sinaloa, Mexico	54285846		
000021	02/09/2023	Mango	Ataulfo	Doria Beta	28.63259678965838, -106.06748920869542	3	64	Adrian's Mango Packing	#123 Mango Rd, Mazatlán, Sinaloa, Mexico	74627168		
000022	03/09/2023	Mango	Ataulfo	El Marañtal	28.641464742050925, -106.07179361817	3	43	Adrian's Mango Packing	#123 Mango Rd, Mazatlán, Sinaloa, Mexico	74628543		
000023	04/09/2023	Mango	Hayden	Los Jardines	28.657228945614072, -106.0837598360653	1	54	Ivette's Fruit Packing	#789 Mangüfiera Street, Mazatlán, Sinaloa, Mexico	45984425		
000024	05/09/2023	Mango	Hayden	Los Jardines	28.657228945614072, -106.0837598360653	1	55	Ivette's Fruit Packing	#789 Mangüfiera Street, Mazatlán, Sinaloa, Mexico	85436521		
000025	06/09/2023	Mango	Hayden	Los Jardines	28.657228945614072, -106.0837598360653	2	64	Ivette's Fruit Packing	#789 Mangüfiera Street, Mazatlán, Sinaloa, Mexico	98833425		
000026	07/09/2023	Mango	Hayden	Los Jardines	28.657228945614072, -106.0837598360653	3	61	Mega Mango Pack	#456 Frutal Rd, Mazatlán, Sinaloa, Mexico	75486321		
000027	08/09/2023	Mango	Keitt	La Loma	28.639848958060684, -106.10063320982565	2	43	Adrian's Mango Packing	#123 Mango Rd, Mazatlán, Sinaloa, Mexico	85469752		
000028	01/09/2023	Mango	Keitt	La Loma	28.639848958060684, -106.10063320982565	1	41	Mega Mango Pack	#456 Frutal Rd, Mazatlán, Sinaloa, Mexico	85469532		
000029	09/09/2023	Mango	Keitt	La Loma	28.639848958060684, -106.10063320982565	1	50	Adrian's Mango Packing	#123 Mango Rd, Mazatlán, Sinaloa, Mexico	85469532		
000030	10/09/2023	Mango	Keitt	La Loma	28.639848958060684, -106.10063320982565	2	56	Adrian's Mango Packing	#123 Mango Rd, Mazatlán, Sinaloa, Mexico	74596385		
000031	11/09/2023	Mango	Keitt	La Loma	28.639848958060684, -106.10063320982565	3	54	Mega Mango Pack	#456 Frutal Rd, Mazatlán, Sinaloa, Mexico	74542169		
000032	12/09/2023	Mango	Keitt	Las Casas	28.60397958436312, -106.11484398346164	3	64	Mega Mango Pack	#456 Frutal Rd, Mazatlán, Sinaloa, Mexico	98547123		
000033	13/09/2023	Mango	Kent	Las Casas	28.60397958436312, -106.11484398346164	1	66	Mega Mango Pack	#456 Frutal Rd, Mazatlán, Sinaloa, Mexico	85436985		

Electronic Sortable Spreadsheets Warehouse

Receiving Lot Code	Reception Date	Product	Variety	Quantity	Supplier	Supplier's Address/Original TIC Source	Receiving Lot #	Receiving Lot/Ship To Address	Client Address	Shipper	Shipper Quantity (lbs)	Repack Presentation	Re Pack Date	How to Pack TIC	Shipping Date	Shipping Lot #
1418377210	30/09/2023	Mango	Tomy Adam	143	Keen's Mangos	#123 Mangos del Maratla, Sinaloa, Mexico	23883001	#123 Shrimp Dr, Mcklenn Tn, USA	#123 Produce Dr, New York, NY, USA	789	50	4 Kg Boxes	31/09/2023	12579429	01/09/2023	62482136
1208428011	31/09/2023	Mango	Tomy Adam	143	Keen's Mangos	#123 Mangos del Maratla, Sinaloa, Mexico	5844445	#123 Shrimp Dr, Mcklenn Tn, USA	#123 Produce Dr, New York, NY, USA	789	50	4 Kg Boxes	31/09/2023	12579429	01/09/2023	62482136
2207270814	31/09/2023	Mango	Asatlo	170	Keen's Mangos	#123 Mangos del Maratla, Sinaloa, Mexico	43952442	#123 Shrimp Dr, Mcklenn Tn, USA	#123 Produce Dr, New York, NY, USA	789	50	4 Kg Boxes	07/09/2023	80978206	01/09/2023	42772285
9599191844	01/09/2023	Mango	Tomy Adam	200	Keen's Mangos	#123 Mangos del Maratla, Sinaloa, Mexico	3110584	#123 Shrimp Dr, Mcklenn Tn, USA	#123 Produce Dr, New York, NY, USA	789	35	12 Kg Boxes	07/09/2023	80978206	01/09/2023	8641341
6662727918	01/09/2023	Mango	Asatlo	186	Keen's Mangos	#123 Mangos del Maratla, Sinaloa, Mexico	57621439	#123 Shrimp Dr, Mcklenn Tn, USA	#123 Produce Dr, New York, NY, USA	789	35	12 Kg Boxes	07/09/2023	80978206	01/09/2023	8641341
7260419100	06/09/2023	Mango	Asatlo	176	Keen's Mangos	#123 Mangos del Maratla, Sinaloa, Mexico	76227148	#123 Shrimp Dr, Mcklenn Tn, USA	#123 Produce Dr, New York, NY, USA	789	20	12 Kg Boxes	07/09/2023	80978206	01/09/2023	4772285
1280138011	06/09/2023	Mango	Tomy Adam	186	Keen's Mangos	#123 Mangos del Maratla, Sinaloa, Mexico	57621439	#123 Shrimp Dr, Mcklenn Tn, USA	#123 Produce Dr, New York, NY, USA	789	20	12 Kg Boxes	07/09/2023	80978206	01/09/2023	4772285
5191212512	06/09/2023	Mango	Asatlo	156	Keen's Mangos	#123 Mangos del Maratla, Sinaloa, Mexico	49974911	#123 Shrimp Dr, Mcklenn Tn, USA	#123 Produce Dr, New York, NY, USA	789	32	4 Kg Boxes	13/09/2023	97977703	14/09/2023	84689132
7566204815	10/09/2023	Mango	Hydon	180	Keen's Mangos	#123 Mangos del Maratla, Sinaloa, Mexico	76384422	#123 Shrimp Dr, Mcklenn Tn, USA	#123 Produce Dr, New York, NY, USA	789	32	4 Kg Boxes	13/09/2023	97977703	14/09/2023	84689132
7105845485	10/09/2023	Mango	Hydon	180	Keen's Mangos	#123 Mangos del Maratla, Sinaloa, Mexico	11701210	#123 Shrimp Dr, Mcklenn Tn, USA	#123 Produce Dr, New York, NY, USA	789	34	4 Kg Boxes	14/09/2023	80436621	14/09/2023	85200166
5297279151	12/09/2023	Mango	Keiti	238	Keen's Mangos	#123 Mangos del Maratla, Sinaloa, Mexico	10644897	#123 Shrimp Dr, Mcklenn Tn, USA	#123 Produce Dr, New York, NY, USA	789	52	4 Kg Boxes	14/09/2023	80436621	14/09/2023	44506040
9599191844	14/09/2023	Mango	Keiti	160	Keen's Mangos	#123 Mangos del Maratla, Sinaloa, Mexico	95987778	#123 Shrimp Dr, Mcklenn Tn, USA	#123 Produce Dr, New York, NY, USA	789	42	12 Kg Boxes	14/09/2023	71830044	14/09/2023	83465414
8906152403	14/09/2023	Mango	Keiti	177	Keen's Mangos	#123 Mangos del Maratla, Sinaloa, Mexico	55717909	#123 Shrimp Dr, Mcklenn Tn, USA	#123 Produce Dr, New York, NY, USA	789	64	12 Kg Boxes	14/09/2023	71830044	14/09/2023	83465414
9599191844	17/09/2023	Mango	Keiti	154	Keen's Mangos	#123 Mangos del Maratla, Sinaloa, Mexico	4100883	#123 Shrimp Dr, Mcklenn Tn, USA	#123 Produce Dr, New York, NY, USA	789	64	4 Kg Boxes	14/09/2023	78539703	21/09/2023	43283777
4317407920	17/09/2023	Mango	Keiti	137	Keen's Mangos	#123 Mangos del Maratla, Sinaloa, Mexico	81594516	#123 Shrimp Dr, Mcklenn Tn, USA	#123 Produce Dr, New York, NY, USA	789	64	4 Kg Boxes	14/09/2023	78539703	21/09/2023	43283777

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