

# CERTIFICATE

## Forest Garden Products (FGP) and Organic EEC Regulation

It is declared herewith to have inspected the product(s) and/or unit(s) of this project as mentioned in the Annex of this certificate and have found them in accordance with the International Standards for Organic production and Forest Garden Products (FGP) as specified by the:

**International Analog Forestry Network (IAFN), Costa Rica**

**&**

**EEC Regulation 834/2007 & 889/2008 for EEC organic production  
methods**

**Certificate number: FGPICSL015-2010FGP-02-GW**

**Licensee Number: FGPICSL015**

This certificate and the Annex to this certificate are valid until the date mentioned below unless it is withdrawn as a result of a violation of the standards, the conditions laid down in the contract with F.G.P Inspection & Certification (Pvt) Ltd. and/ or replacement with a new certificate issued to:

**Target Agriculture (Pvt) Ltd.,  
Tanamera Estate, Ibbawela, Weligama  
Sri Lanka**

**Certified by F.G.P Inspection & Certification Pvt. Ltd.**

Last inspection: 18 -23 July 2010  
Certificate issued: 15 October 2010  
Certificate Validity: 15 October 2011



**Toxin Free**

This certificate is issued based on the inspection findings of the inspection report Number:  
**FGPIC 015SL- 2010FGP.Org-01-GW**

Signed on behalf of :  
**F.G.P Inspection & Certification (Pvt) Ltd.**  
Deva Vikrantha  
Certifier  
Date 15 November 2010

FGP Inspection & Certification (Pvt) Ltd.				
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**Project name & address**  
**Target Agriculture (Pvt) Ltd.,**  
**Tanamera Estate, Ibbawela, Weligama**  
**Sri Lanka**

**Project in: Sri Lanka**

This Annex covers the following product(s) and/or unit(s) in the flowing pages, that meet(s) with the:

**IAFN International Standard for**

**Forest Garden Products (FGP)**

from

**Bio diversity Indicators, Clean Environmental aspects**

and

**Fair Trade Social Criteria**

with

**Organic Production Methods**

**As per EEC Regulation 834/2007 & 889/2008**

As approved by the  
**INTERNATIONAL ANALOG FORESTRY NETWORK. COSTA RICA (IAFN)**



[www.analogforestrynetwork.org](http://www.analogforestrynetwork.org)  
Inspected and certified by:

**F.G.P Inspection & Certification (Pvt) Ltd.**  
**IAFN Accreditation Number: C01A**

**The IAFN Fair Trade Social Standards are bench marked**  
**with**

**Fair Flowers Fair Plants, (FFP), The Netherlands**  
**Under FFP Registration**

**No. 20100312153428298\_0001 dated 12 March 2010**

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### List of Individual owned Agricultural units inspected:

Unit No.	Name & address of FGP unit	Area (ha)	Status	Crops
FGP IC SLO15 - Ag 001	Mendiswatta, Puttlam District, Sri Lanka	30.3	FGP / Organic	Forest garden perennial mixed bio diversity of organic crops: Cashew, coconut, mango, jack, lemon, lime, melon with other fruit trees, gliricidia, neam, tamarind, lemon grass, ginger etc
FGP IC SLO15 – Ag 002	Tanamera Estate, Weligama, Matara District, Sri Lanka	14	FGP / Organic	Forest garden perennial mixed bio diversity of organic crops: Tea, pineapple, coconut, mango, jack, lemon, lime, passion fruit, cinnamon with other fruit trees, gliricidia, neam, tamarind etc.
FGP IC SLO15 - Ag 004	Puttlam A, Wijepura, 12 <sup>th</sup> mile post, Eluwankulam, Wanathawilluwa, Puttlam District, Sri Lanka	30.35	FGP / Organic	Forest garden perennial mixed bio diversity of organic crops: Coconut, mango, cashew, tamarind, guava, orange, lime, lemon, teak, satin, mahogany, neam etc
FGP IC SLO15 - Ag 005	Puttlam B, Wijepura, 12 <sup>th</sup> mile post, Eluwankulam, Wanathawilluwa, Puttlam District, Sri Lanka	16.19	FGP / Organic	Forest garden perennial mixed bio diversity of organic crops: Coconut, mango, cashew, tamarind, guava, orange, lime, lemon, teak, satin, mahogany, neam etc
FGP IC SLO15 – Ag 008	Panadurawatta A & B, 15 <sup>th</sup> mile post, Eluwankulam, Wanathawilluwa, Puttlam District, Sri Lanka	159.8	FGP/ Organic	Forest garden perennial mixed bio diversity of organic crops: Coconut, mango, cashew, tamarind, guava, orange, lime, lemon, teak, satin, neam etc
FGP IC SLO15 – Ag 009	Wijepura, 12 <sup>th</sup> mile post, Eluwankulam, Wanathawilluwa, Puttlam District, Sri Lanka	42.9	FGP / Organic	Forest garden perennial mixed bio diversity of organic crops: Coconut, mango, cashew, tamarind, papaya, banana, orange, lime, lemon, teak, neam, fruits etc
FGP IC SLO15 – Ag 011	Kohabagolla, Kurunagala District, Sri Lanka	24.28	FGP/ Organic	Forest garden perennial mixed bio diversity of organic crops: Coconut, cashew, tamarind, mango, jak, neem, teak, lemon, lime, guava, papaya, banana etc
FGP IC SLO15 – Ag 013	Nuwarawatta A & B, 15 <sup>th</sup> mile post, Eluwankulam, Wanathawilluwa, Puttlam District, Sri Lanka	111	FGP/ Organic	Forest garden perennial mixed bio diversity of organic crops: Coconut, cashew, tamarind, mango, jak, neem, teak, lemon, lime, guava, orange, melon etc

<b>FGP IC SL015 – Ag 014</b>	Ariyaratnewatta, 15 <sup>th</sup> mile post, Eluwankulam, Wanathawilluwa, Puttalam District, Sri Lanka	20.2	<b>FGP/ Organic</b>	Forest garden perennial mixed bio diversity of organic crops: Coconut, mango, cashew, tamarind, jak, neem, teak, lemon, lime, guava, orange etc
	Kakapalliyawatta, Eluwankulam, Wanathawilluwa, Puttalam District, Sri Lanka	10.1	<b>FGP/ Organic</b>	Forest garden perennial mixed bio diversity of organic crops: Coconut, mango, cashew, tamarind, jak, neem, teak, lemon, lime, guava, orange etc

**List of Small Group Farmer Agricultural units inspected:**

Unit No.	Name & address of FGP unit	Area (ha)	Status	Crops
<b>FGPIC SL 015 –Ag 003</b>	Kirindiwella B, Gampaha District, Sri Lanka	10	<b>FGP / Organic</b>	Forest garden mixed perennial bio diversity of organic crops of pineapple, cashew, mango, pomegranate, guava, jack, other fruit trees, neam, glyricidia, garcena, gotukola etc.
<b>FGP IC SL015 - Ag 006</b>	Kurunagala, Thalawa, Kurunagala District, Sri Lanka	18.7	<b>FGP / Organic</b>	Forest garden perennial mixed bio diversity of organic crops: coconut, cashew, mango, jack, lemon, lime, wood apple, gliricidia, neam, tamarind melon, vativer, lemon grass etc.
<b>FGP IC SL015 – Ag 007</b>	Karambe, Karambe village, Kurunagala District, Sri Lanka	12.5	<b>FGP / Organic</b>	Forest garden perennial mixed bio diversity of organic crops: coconut, cashew, mango, jack, lemon, lime, wood apple, gliricidia, neam, tamarind melon, vativer, lemon grass etc.
<b>FGP IC SL015 – Ag 010</b>	Wanathawilluwa A Small Farmer unit, Wanathawilluwa, Sri Lanka	79	<b>FGP / Organic</b>	Forest garden perennial mixed bio diversity of organic crops: coconut, cashew, mango, jack, lime, wood apple, gliricidia, neam, tamarind vativer, lemon grass etc.
<b>FGP IC SL015 – Ag 012</b>	Wanathawilluwa B Small Farmer unit, Wanathawilluwa, Sri Lanka	66.7	<b>FGP / Organic</b>	Forest garden perennial mixed bio diversity of organic crops: coconut, cashew, mango, jack, lime, wood apple, gliricidia, neam, tamarind vativer, lemon grass etc.

**In total: 646.24 Ha yielding 2185 tons of raw cashew nuts**

Other farmers, who are organic certified but in - conversion to FGP status, were also inspected but not included in this certificate.

Farmers who are in conversion to organic or have parallel cultivation practices have not been included in this inspection & certification programme.

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## Raw Products estimated for harvest: year 2010/11

### From agricultural origin of units:

Product Number	Products	Quantities (Tons)
FGPIC SL 015- Ag Pr 001	Cashew	2185
FGPIC SL 015- Ag Pr 002	Pineapple	40
FGPIC SL 015- Ag Pr 003	Mango	30
FGPIC SL 015- Ag Pr 004	Banana	80
FGPIC SL 015- Ag Pr 005	Papaya	45
FGPIC SL 015- Ag Pr 006	Melon	195
FGPIC SL 015- Ag Pr 007	Coconut	174000 nuts
FGPIC SL 015- Ag Pr 008	Lime	30
FGPIC SL 015- Ag Pr 009	Lemon	35
FGPIC SL 015- Ag Pr 010	Jack	125
FGPIC SL 015- Ag Pr 011	Tamarind	40
FGPIC SL 015- Ag Pr 012	Cinnamon	120
FGPIC SL 015- Ag Pr 013	Passion Fruit	75
FGPIC SL 015- Ag Pr 014	Tea	27.5

### List of Processing Units:

No.	Name & address of unit	Unit type	Operations
FGPIC SL 015 - PROC 001	<b>Fruits &amp; Nuts (Pvt) Ltd.</b> Makevita, Gampaha District, Sri Lanka	Cashew processing, drying, packing, storage unit	Cashew processing: Shell removal, oven drying, testa removal, cashew kernel grading, storage, labelling, packing, storage, bookkeeping administration
FGPIC SL 015 - PROC 002	<b>Target Agriculture (Pvt) Ltd.</b> Weligama, Matara District, Sri Lanka	Dedicated organic raw fruit cleaning, cutting and dehydration / IQF / juicing unit	Fruit processing: Cleaning, cutting, dehydration / IQF / juicing of fruits, storage, labelling, bookkeeping administration,  Internal control of the farm lands and Export of finished products
FGPIC SL 015 - PROC 003	<b>Belummahara Mills</b> Mudungoda, Gampaha District, Sri Lanka	Processing of desiccated coconut	Desiccated coconut processing: Removal of coconut water, cleaning and washing, desiccating process, packing, storage

**List of products processed for export / local sales: origin of:**

Product Number	Processed Organic/FGP products of Agricultural origin	Production and processing	Operations/ Quantities (Tons)
FGPIC SL 015-FPR 001	Cashew kernels	Cashew kernels	437.00
FGPIC SL 015-FPR 002	Dehydrated Pineapple	Dehydration of fruits	3.2
FGPIC SL 015-FPR 003	IQF Pineapple	IQF process	16
FGPIC SL 015-FPR 004	Pineapple juice	Pulping and juicing process	20
FGPIC SL 015-FPR 005	Pineapple pulp	Pulping and freezing process	24
FGPIC SL 015-FPR 006	Desiccated coconut	Desiccating of coconut	14
FGPIC SL 015-FPR 008	IQF mango	IQF process	9.2
FGPIC SL 015-FPR 009	Mango juice	Pulping and juicing process	13.8
FGPIC SL 015-FPR 010	Mango pulp	Pulping and freezing process	14.95
FGPIC SL 015-FPR 011	Melon cubes	Fruit cocktail mix item	65
FGPIC SL 015-FPR 012	Tea: black, green, hand rolled, blended	Outsourced processing	6.5 of either

**Clean Environment, Bio Diversity Indicators, Native species and Ecosystems**

The general landscape is covered with a mixed bio diversity of green vegetation consisting of tea with mixed coconut, fruits & spices along with tall and medium shade trees on flat to mildly steep sloping lands especially in Weligama.

In all the other areas inspected, the lands are basically flat to mildly sloping covered with a mixed bio diversity of green vegetation consisting of a mixture of tall, medium and short trees / tree crops of coconut, cashew, fruit trees, lime, lemon, jack, tamarind etc.

Consequently, the minimum 40% of shade levels maintained in all these lands that resemble an analog forest ecosystem with sustainable commercial crops, dense live hedges of non commercial vegetation of glyricidia, ferns, epiphytes, castor etc in addition to other non commercial tree crops.

The lands are different from normal organic farms as the ecosystems that these producers are located in are forest like ecosystems, entire assemblage of organisms with trees, shrubs, herbs, micro organisms, grazing domestic animals & free graze poultry and including people in their environment under sustainable development and bio diversity conservation.

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The environment of the growing fields are maintained in a clean toxic free manner with all waste controlled for further use as composting materials.

In the process units, all waste from processing, dust and fibre collected are used for the composting process.

**Bio diversity indicators identified and reported are:**

Soil Macro Organisms: Earthworms

Vertebrates and Invertebrates: leaches, land snails, spiders, wood pigeon, Ceylon grackle, deer, wild boar etc

Birds: pigeon, parrot, mina, sparrow etc

Insects: Day moth butterflies, bees, beetles, grasshoppers, red ants, black ants, termites, Dryden flies, damselflies etc

Physical survey of the soil and water: clear

**FGP crops under Organic / Bio Dynamic production**

The agricultural crops are produced in rain fed soils of enhanced biological activity determined by the rich conditions of the humus soils, forest ecosystem, its aggregate structure and feeder root development lacking any chemical treatment. The tree crops are fed through the soil ecosystem and not via any soil fertility enhancement of usage of soluble salts added to the soil. Plants and soils are treated with compost.

Crop rotations are not possible in these lands due to the permanent perennial bio diversity cultivation maintained of tea, cashew, coconut, fruit & spice cultivation, under forest shade.

Mixed cropping patterns, erosion and manual / machine weed management controls are observed.

Cattle, goats and poultry grazing movements also have contributed towards the control of weed growth and soil fertility.

The mixed nature of the bio diversity of the vegetation, the nesting sites and hedges, have naturally controlled insects and other pests.

Chemicals are not used for soil fertility improvement, pest and disease or weed control.

Insect and pest control in the cashew grown lands is maintained by burning dried cashew shells to produce circulation by night of a pungent smelling smoke that naturally fumigates the air of the lands and the crops on trees, thereby protecting them from sucking pests, insects (Tea mosquito or Helopeltis) that feed on the tender parts like the flower sap, tender nuts etc.

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Consequently with the natural methods of fertility and pest / insect control practices, the harvested products are totally toxic free, organic and natural.

None of the crops are genetically modified either and are totally GMO free.

Further the small group farmer holdings are under the management and supervision of the licensee's active Internal Control and Extension service system and all operations are recorded as required by the organic regulation.

Bio Dynamic production systems have not commenced as yet.

**Fair Trade Social practices / Social Criteria, economical benefits:**

The lands and the process units, under these standards are sub contracted to controlled 3<sup>rd</sup> party owners. Units FGPIC SL 015 -PROC 002 and FGP IC SL015 – Ag 002 are owned by the operator. The rest of the listed units are out sourced growing and processing units that are controlled by agreement.

The operator practices a responsibility in ensuring that a share of the profitability is repatriated to the production & processing areas and maintains auditable records to ensure full farmer, processor and customer confidence where the persons under his management are concerned.

The lands inspected belong to individual and small holder group farmers.

The farmers, the processors as well as the operator's rights are recognised in a mutually satisfactory manner and by regular dialog, with premium prices paid for Forest Garden Organic agricultural products that go down to the farmers and the process unit workers to contribute towards their economical benefits.

Clean environmental and safe & healthy working conditions as required under Fair Trade Social standards are maintained in the lands and the process units.

To every extent possible employment is on a recognised employment relationship as per the National law with regular wages, over time etc paid are recorded. Working hours and overtime comply with the National law and are recorded.

Workers do not have to lodge deposits or original identity papers, are not physically or sexually harassed or discriminated and can leave their employment giving reasonable notice. Child labour is not allowed to work in the small group farmer lands and processing units managed by the operator and consequently does not contribute to the detriment of the education and development of the children.

Forced, prison or bonded labour too are not engaged nor employed in the lands or the process units.

Consequently a good and responsible Fair Trade social policy is implemented in keeping with Fair Trade Social criteria to ensure secure livelihoods.

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## Emission Control and GHG gas absorption:

The FGP lands that are grown with bio diversity cropping systems which are maintained with organic sustainable production management systems are examples of landscapes that are self sustaining forest gardens rich in bio diversity vegetation that is comprised of a wide variety of short & taller trees, without any genetically modified plants and animals.

These management activities that focus on the beneficial features of the surrounding primary and secondary forests, assure a healthy relationship being maintained with the natural and the productive environment that these cashew fields represent. These landscapes are very effective at providing other environmental services such as hydrology control, erosion control oxygen generation and bio diversity conservation.

The vegetative cover of the mixed bio diversity of fruit trees, cashew trees and other shade trees in the lands inspected can control and mitigate the gasses emitted by both natural and production process.

Furthermore there is system to produce bio-gas using the plant residuals and animal waste before applying to the field. This can convert CH<sub>4</sub> to CO<sub>2</sub>, but as biotic carbon. It will also help to save some energy and the digested residuals of the bio-gas plant for its use as organic manure.

In the fruit, cashew and coconut product factories dried wood from the wood lots and from the fallen trees in the surrounding primary forests, are in use to drive the dryers and the boilers. Thus reducing the amount of fossil carbon used in the production process.

In the factory processing, no chemical fumigated ingredients, additives, processing aids nor processing agents are used.

Further in the factories, the processing dust and product rests produced during the dry processes, are collected into bags and used in the compost making process. The air stream from the processing units if any, are also regularly cleaned before even a minimum percentage is released into the environment, thereby controlling factory emissions.

There are multiple natural emission control systems in practice that:

- Prohibit deforestation which leads to higher carbon dioxide concentrations,
- Produce bio-gas using the plant residuals and animal waste before applying to the field which can convert CH<sub>4</sub> to CO<sub>2</sub>, helping to save some energy and the digested residuals for formation of sequestered carbon in the soil.
- Remove greenhouse gases or alternatively sequester them so that these gases are kept out of the atmosphere by condensation and precipitation of the water vapour, while the photo-chemical reactions in the atmosphere, combustion or biological decomposition to degrade CH<sub>4</sub> to CO<sub>2</sub> and water vapour resulting in the accelerated photosynthesis by a variety of trees & plants.

The foregoing practices, thereby lead to a natural control of emissions of toxic gasses in keeping with the International Analog Forestry Network concepts / standards that govern Forest Garden Products.

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**Name and address of the exporter:**  
**Target Agriculture (Pvt) Ltd.,**  
Tanamera Estate, Ibbawela, Weligama, Sri Lanka

**FGP IC Licensee No: FGPICSL015**  
**Project in: Sri Lanka**

**For production of**  
**Forest Garden products**  
**As per**  
**International Analog Forestry Network Standard, Costa Rica**  
**and**  
**Organic Production Methods of EEC Regulation 834/2007 & 889/2008**  
**Certified by**  
**F.G.P Inspection & Certification (Pvt) Ltd.**

**Organic Production as per EEC Regulation 834/2007 & 889/2008**  
**is also certified by**  
**Certification body: Control Union Inspections (Pvt) Ltd.**  
**Reference Licensee No: CU004290**



**TOXIN FREE**  
**F.G.P Inspection & Certification (Pvt) Ltd.**  
[www.forestgardencertification.com](http://www.forestgardencertification.com)



**International Analog Forestry Network**  
[www.analogforestrynetwork.org](http://www.analogforestrynetwork.org)

Signed on behalf of :  
**F.G.P Inspection & Certification (Pvt) Ltd.**  
Deva Vikrantha  
Certifier  
Date 15 November 2010

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