



# Proyect Pangasius

#### **Executive Summary:**

The Pangasio De México project is developed by the Livestock and Aquaculture Production Unit "Rancho El Toro", focused on the aquaculture of the basa fish (Pangasius hypophthalmus), seeks to establish a profitable and sustainable business through the cultivation of this species, which is recognized for its rapid growth and adaptability to different breeding and cultivation conditions.

The investment in the installation, conditioning of infrastructure and equipment will be key to ensure the success of the project, the acquisition of machinery, equipment and accessories such as water pumps, electrical installations, solar aeration systems and other components necessary for the production of the basa fish that are friendly to the environment and reduce production costs

The total cost of the project is estimated at \$52,548.56 American Dollars.

Pangasio's target market is local and regional consumers, as well as exporting from the fourth year on.

The business is projected to be profitable in the second year of operation and generate expected annual revenues of \$103,861.77 US Dollars.

**Livestock and Aquaculture Production Unit** 

Carr. Ignacio de la llave – Cosamaloapan Km 28 Loc. El camarón CP 95245 Ignacio de la llave, See contacto@rancho-el-toro.com







#### Introduction:

The Pangasio are robust fish, they have a great capacity for both types of respiration, both aquatic and aerial, they withstand temperatures of 34° C., coupled with the fact that it takes between 7 and 9 months to reach 1 kilogram, a greater amount of fillet is obtained. per kilogram of weight, this explains why it is currently the fastest growing fish culture in the world. The expansion of the culture is due to its faster growth and its great resistance, which made it an ideal candidate for intensive culture with the development of artificial propagation techniques, development, diets and better pond designs.

Pangasio are kept in ponds with a depth of 1.5 to 3 meters. The water temperature range is maintained from 26 to 30°C, the pH from 7 to 8 and with no minimum dissolved oxygen requirements.

The sexual maturity of the females occurs, generally, at three years, although under culture conditions it has been reported that the age of maturation can be 2 years.

The project will take place at Rancho EL Toro in Ignacio de la Llave, Veracruz, Mexico, a 40-hectare ranch. The main objective of the project is to create a profitable and sustainable business through the cultivation of pangasius to satisfy the needs of local and regional consumers, as well as to establish agreements with national and international chain stores for international markets.

The project will focus on the production of Pangasio cultivated in a contaminantfree environment and an organized diet that will result in a quality and safe product for human consumption.

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#### **Project description:**

The Livestock Production Unit project requires a significant investment in facilities and equipment to ensure success in rearing the basa fish.

The total project budget is estimated at \$52,548.56, and is broken down as follows:

- Conditioning and maintenance of ponds:
- Quarantine geomembrane tank:
- 1 HP centrifugal water pump:
- 3/4 HP 115/230 V jet pump:
- Plastic mosquito netting 1.80 m x 30 m:
- · Commercial digital scale 5 KG:
- Clock scale with tray cap. 10KG:
- Self-priming motor pump 4X4 13 HP AC-101:
- 4" flat canvas suction hose 50 m:
- 4" bronze check valve or pitcher:
- 4" male iron connector for hose:
- Solar Energy Panel Kit
- Paddle Aerator
- · Lamp type public solar lighting
- Blowers 1 HP
- Extruder machine to make food
- Maritime Container of 20 x 8 ft
- Trailer Room
- Expansion of Electric Network
- Technical Assistance, Studies, Permits and Licenses
- Freight, maneuvers and installations and per diems

The total cost of the project is estimated at 52,548.56 dollars

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#### PROJECT OPERATION

Pangasius hypophthalmus will be produced at Rancho El Toro in Veracruz, Mexico.

The farm will have facilities of 1 hectare equipped with intensive closed production technology.

The production process will begin with the acquisition of Pez Basa fingerlings of improved genetic origin, which will be introduced into the quarantine pond with a capacity of 25 m<sup>3</sup>.

During a period of 30 days, the acclimatization and sanitary monitoring of the fish will be carried out to later be transferred to the production ponds with a stocking density of 50 fish/m<sup>3</sup>.

The feed that will be supplied to the fish will be a high-quality commercial diet with a protein percentage of 32% and an energy content of 3,500 Kcal/kg. The supply of food will be carried out three times a day, according to the requirements of the fish and a control of food consumption will be carried out in order to adjust the ration according to biometrics.

To maintain adequate water quality and optimal fish health, a series of periodic analyzes and monitoring will be carried out, which include parameters such as temperature, dissolved oxygen, pH, alkalinity, hardness, ammonium, nitrite and nitrate.

Once the fish reach an average weight of 1 kg, the harvest will be carried out selectively using trawls, separating commercial size fish from those that have not yet reached the desired size. The harvest will be carried out in stages to ensure constant production and will take place every 9 months.

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Loc. El camarón CP 95245 Ignacio de la llave, See contacto@rancho-el-toro.com





## **Project Engineering**

Location.

macro location

## Geographic location

The municipality is located at coordinates 18°39′42″N 95°58′20″W in the central area of the state, within the area formerly known as the leeward plains, in the economic-administrative region called Papaloapan. It has an area of 397.13 km² and a height of between 7 and 18 meters above sea level. It limits to the north with the municipalities of Tlalixcoyan and Alvarado, to the south with the municipalities of Ixmatlahuacan and Tierra Blanca, to the west with the municipalities of Tierra Blanca and Tlalixcoyan, and to the east with the municipalities of Alvarado and Ixmatlahuacan.

The municipality of Ignacio de la Llave is divided into 31 common lands, 17 ranches and 5 congregations. The municipal head has an extension of 1 square km as a legal fund that makes up the urban area with 1 streets, 8 avenues and an alley.

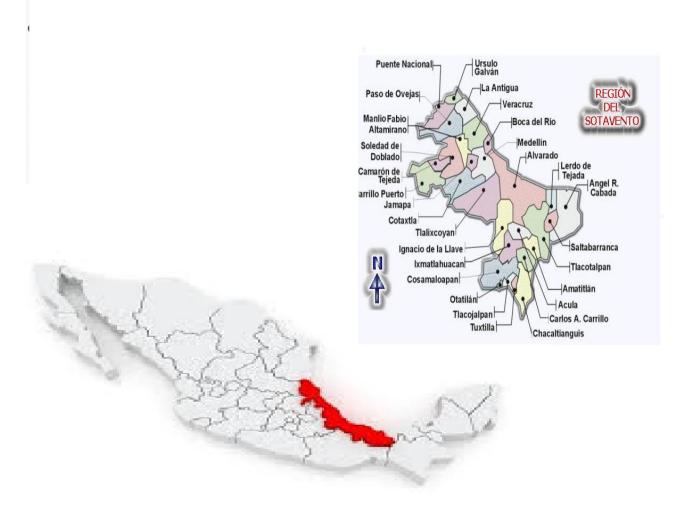
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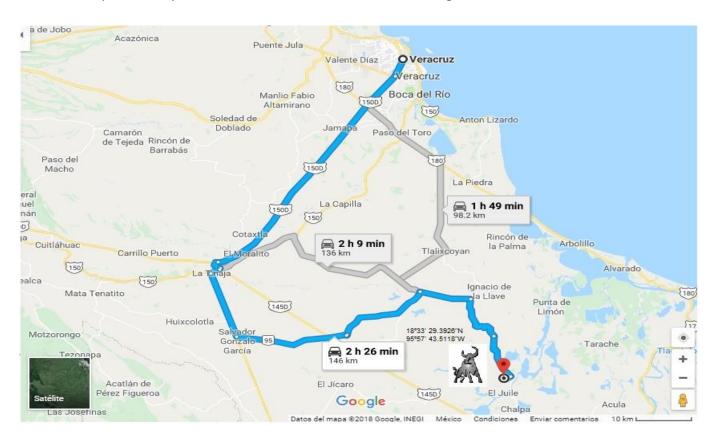






### Microlocation

The project was installed in the Rustic Property called the shrimp 1st section, covering the basin of the Blanco and Limón rivers; It is located between 0 and 600 meters above sea level; The climate of this region varies between "warm humid" to "tropical humid", with frequent rains in summer from July to September. The soil is 30% humid, composed mainly of a sandy substrate of 0.3-2 mm in size, the PH ranges between 7-8.



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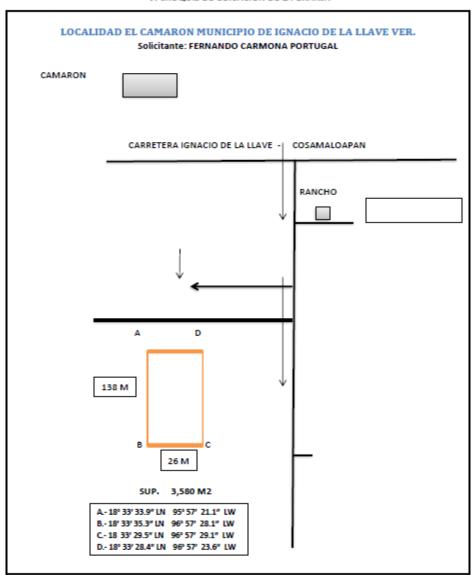






## Area distribution diagram

#### V. CROQUIS DE UBICACIÓN DE LA GRANJA



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## Development of the Production Process and/or commercialization.

Aquaculture is understood as the breeding processes of aquatic organisms, through planned reproduction, fattening and commercialization techniques; Fish farming (breeding and fattening fish) represents an alternative for the production of high-quality food at low prices, ranging from domestic cultivation for self-consumption, extension work in bodies of water and at a commercial level for the breeding and fattening of some species in special with characteristics of market demand.

The production process of this project is as follows:

ponds. The 138x26x2.00 M pond, with a catchment capacity of 3,580 M3, is located in the Rustic Property called El Camarón 1st section, which is located within the property known as El Camarón with an area of 44.00 Hectares. Where there is enough water for cultivation.



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Preparation conditioning and layout of enclosures for your Development" Loc. El camarón CP 95245 Ignacio de la llave, See contacto@rancho-el-toro.com

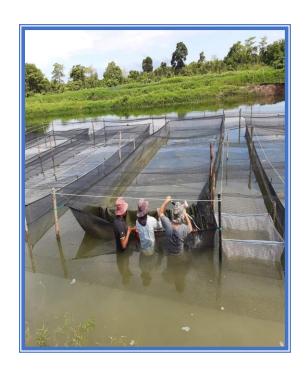






The line of enclosures of rectangular figure of 3 meters wide by 10 meters long and 1.5 meters deep covered with mesh cloth of number 9, will be developed using cyclonic mesh and wooden posts from the region, placed 1.50 m away. between post and post, leaving only a main access for the operating personnel.





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## Acquisition and transfer of fry.

pangasium fry; they will be bought in the reproduction centers of Morelos.

## Sowing of the fry.

They will be extracted from the plastic bags, with the intention that they acclimatize in this place for at least ½ hour, in order to reduce losses due to stress, when coming into contact with the water of the ponds, and then they will be left in freedom so they can explore the whole pond.

## Feeding fry, juveniles and adults.

Once the fingerlings are planted in the pond, the development and fattening process begins, two stages will be used: initiation and fattening with balanced feed, based on the calculation of the biomass contained in each pond to determine the quantity. Well, it is important to control the perhaps most expensive parameter, which is food; The best method to know how much food to supply per day is to use population sampling, which consists of taking 10% to 15% of the fish, taking their average weight, multiplying it by the total number of animals in the pond, thus obtaining the biomass that helps us to adjust the daily ration according to an established percentage for each average weight.

#### Programa de Alimentación

Código	Producto	Presentación	Proteina	Grasa	Peso promedio	Tamaño	Tasa de alimentación	
			%	%	del Pez	del Pez		
514273	INICIACION HARINA < 0.35 MM	05KG	53	15	0.3 a 1.5 gr	< 2 cm	10%	
512007	AQUAXCEL PECES STARTER 0.6MM	25KG	45	12	1.5 a 2 gr	2 a 4 cm	8%	
512017	AQUAXCEL PECES STARTER 0.8MM	25KG	45	12	2a4gr	2 a 4 cm	8%	
514593	Mexico Starter Premix/Desarrollo 1.5 MM	25KG	44	15	4a30gr	4a9cm	5a4%	
504063	DESARROLLO 2.4MM B/T 4009 SPR	25KG	40	9	30 - 60 gr	9 a 13 cm	4%	
504073	DESARROLLO 3.5MM B/T 3507 SPR	25KG	35	7	60 - 200 gr	13 a 17 cm	4a3%	
504083	ENGORDA 3.5MM B/T 3206 SPR	25KG	32	6	200 - 500 gr	17 a 21 cm	3%	
504093	ENGORDA 4.8MM B/T 3005 SPR	25KG	30	5	200 - 500 gr	17 a 21 cm	3%	
504583	ENGORDA 5.5MM B/T 3206 SPR	25KG	32	6	500 gr a Cosecha	21 a 25 cm	3 a 2%	
504103	ENGORDA 5.5MM TIL 2504 SPR	25KG	25	4	Mantenimiento	25 a 37 cm	2a1.1%	

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## Work program for the implementation of the productive project.

Include a calendar of activities (minimum one year) in which the general processes for the implementation of the project are developed; for example: purchase of investment concepts, installation and conditioning of the productive project, production of goods and/or services of the productive project, promotion and commercialization of goods, services, among others.

#### **Activities Calendar**

	2023											
Actividad	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
Process registrations: CONAGUA, CONAPESCA AND SEMARNAT	<b>✓</b>	<b>✓</b>										
Pond conditioning; Define perimeter area and build enclosures.		<b>✓</b>	✓									
. Reception of balanced food for the different stages of the harvest							✓					
Reception and Stocking of							✓					
Feeding, care and maintenance of the crop is carried out			<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>				
Preparation of marketing agreements with Wholesale and Retail customers							<b>✓</b>					
The crop is harvested								✓				

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## FINANCIAL ANALYSIS

The total investment required for the implementation of the project is \$52,548.56 dollars. American people.

The project is expected to reach a production of 20 tons per year in the third year with an average sale price of \$5.56 dollars per kilogram, which will generate annual revenues of \$101,120.11 dollars.

Annual production costs are estimated at \$82,583.72 Mexican pesos, which results in an annual net profit of \$18,536.39 US Dollars. The investment recovery period is estimated at 2 years 10 months.

## **CONCLUSIONS**

The production of Pangasius hypophthalmus in closed systems is presented as a profitable and sustainable productive alternative, with a high demand in the national and international markets. The use of state-of-the-art technology and good management practices allow a constant and high-quality production to be achieved.

Pangasio's production project at Rancho El Toro presents significant growth potential and is an attractive investment in the aquaculture sector in Mexico. With a reasonable initial investment and staggered production.

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## Cryptocurrencies Advantages and Disadvantages Advantages

- Faster and cheaper transactions: Cryptocurrency transactions are made directly between the parties involved, without the need for intermediaries, which makes them faster and cheaper compared to traditional financial transactions.
- •
- Decentralization: Not being controlled by a central entity, cryptocurrencies offer greater autonomy and privacy to their users.
- Accessibility: Cryptocurrencies are accessible to anyone with internet access, making them a viable option for people without access to traditional banking services.
- Security: The cryptography used in cryptocurrencies provides greater security than traditional financial systems, making them less susceptible to fraud and cyberattacks.

## Disadvantages

- Volatility: Cryptocurrencies are highly volatile and their value can fluctuate significantly in short periods of time, which can be a source of uncertainty and risk for investors.
- Limited regulation: Not being controlled by a central entity, cryptocurrencies are difficult
  to regulate and supervise, which can raise concerns around tax evasion, money
  laundering, and terrorist financing.
- Lack of widespread acceptance: Despite the growing interest in cryptocurrencies, their adoption is still limited and they are not accepted by all merchants and service providers.

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## Description and Functionality of the Pangasius Token

The token is called Pangasius (Basa) and is on the Binance Smart Chain (BSC) blockchain.

The total supply of tokens will be 100,000,000, without the possibility of additional issuance and This token will be used as investment support.

The symbol of the Pangasius token is **Basa** and it runs on the Binance Smart Chain blockchain. with the Contract:

#### 0x7334ed7f196986bb834ed389c2743a70b6857487

The Pangasius project will take place in three pre-sale phases to allow investors to participate in the acquisition of tokens at preferential prices.

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## In the first phase of pre-sale, will be made available

> 10,000,000 tokens at a price of 0.001 per token







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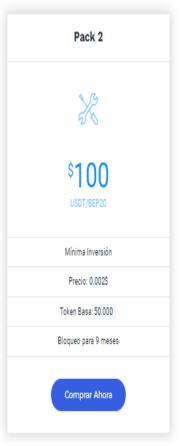




## In the second phase of pre-sale, other

➤ 10,000,000 tokens at a price of 0.002 per token.







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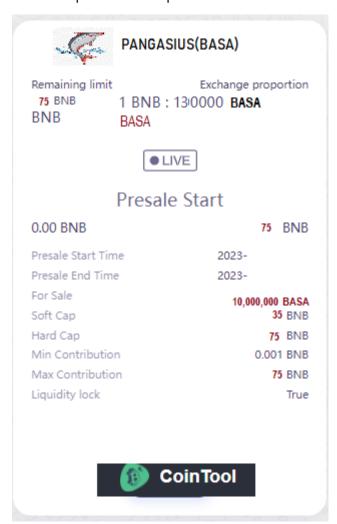






## Finally, in the third phase of pre-sale, the latest

➤ 10,000,000 tokens at a price of 0.0025 per token.



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For founding investors who invest in the first phases of the project, it is important to inform you that your tokens will remain blocked for 9 months to ensure the availability of funds for the development of the project, but you will be able to generate returns by staking at the address www.basa.rancho-el -toro.com/Staking , the tokens generated as a result of Staking may be used to acquire investment packages in subsequent crop cycles.

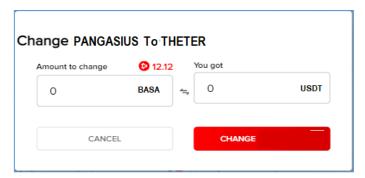
Once the three pre-sale phases are complete, the token will be made available to the market on the platform.

20,000,000 tokens at a price of 0.0035 per token.

A matching engine is essentially the core mechanics of a digital exchange that matches bids and asks to execute trades. They work by using one or more algorithms that keep track of all open orders in a market and generate new trades if the two orders can complement each other.

A matching engine can support different types of orders, such as a limit order or a market order.

These days, trading is almost entirely facilitated by electronic trading matchmaking engines. The software they work with is the most crucial part of any exchange, as it is what allows users to exchange tokens for crypto.



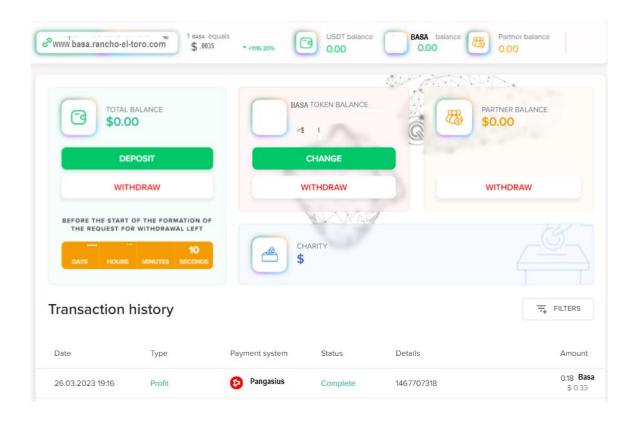
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The 20,000,000 tokens that will be issued on the page once the project starts generating profits. The project is expected to reach its profitability targets within 9 months, and more liquidity will be added to the token each month as the project progresses.

We want to emphasize that all users who purchase the tokens during the pre-sale will be considered as a founding investor in the project.

At the end of the lockup period, the tokens will be unlocked and the initial investors will benefit from the increase in the token price, thanks to the growth of the project.

It should be noted that this lock-in period is not unusual in the world of investments and is a common practice in many successful projects. At the same time, we want to assure our investors that we will work hard to ensure that the project meets their expectations and is a solid and profitable investment in the long term.

We are clarifying that while we will not provide a date for each phase in advance, we will start the next phase as soon as the previous phase is complete. Each phase will be detailed on the website, allowing you to closely follow the progress of the project and be aware of the next steps.

On our website, you can find details about the goals and objectives of each phase, as well as information about the equipment and resources needed to achieve them. We will also provide regular updates on the progress of the project and any changes to the schedule.

We want to make sure that our investors are informed and updated on the progress of the project at all times. We will strive to provide detailed and transparent information about each phase, and we will be available to answer any questions or concerns you may have.

Our team is made up of passionate professionals committed to the success of the project.

To help finance our project, we have decided to share our location on Google. This will allow us to be easily accessible to our customers and suppliers, and will help us build a strong online presence.

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In addition, we are committed to maintaining high standards of security and privacy at all times.

We take pride in providing high-quality service to our clients, and we look forward to making a positive difference in our communities. We appreciate your interest in our project and look forward to working together in the future.

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