

CHESTER ZOO



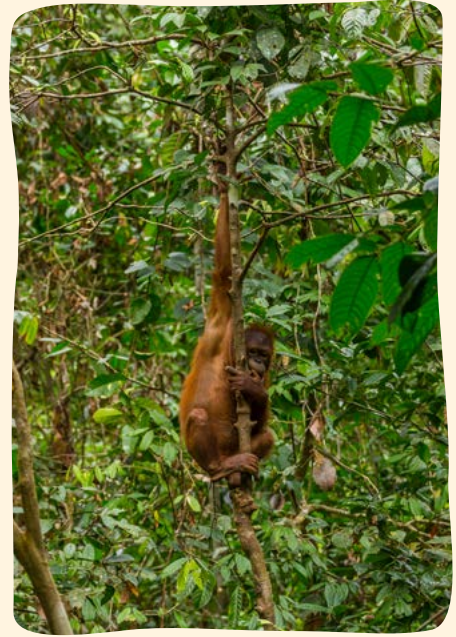
CHESTER ZOO IS HELPING TO PROTECT
ORANGUTANS AND **YOU** CAN TOO

What's the problem?

Orangutans are the only non-African 'Great Ape'. They once lived all over Asia but now only exist on Sumatra and Borneo.

Orangutans in the wild need the forest to survive but in the last thirty years more than 80% of their forest home has been **destroyed**. The demand for timber, palm oil, roads, agricultural land and space for mining means huge areas of the forest have now been lost, taking with it the homes of orangutans. Illegal poaching and pet trafficking add to the destruction caused by deforestation.

The unsustainable production of palm oil is one of the **biggest threats** facing the forests and wildlife of Borneo and Sumatra, including orangutans.



What is palm oil?



Palm oil is the world's *most commonly used* vegetable oil

85% of palm oil is grown in Indonesia and Malaysia

Palm oil can be found in over **50%** of products on supermarket shelves

Palm oil comes from the **FRUIT** and **SEED** of the oil palm plant, native to West Africa

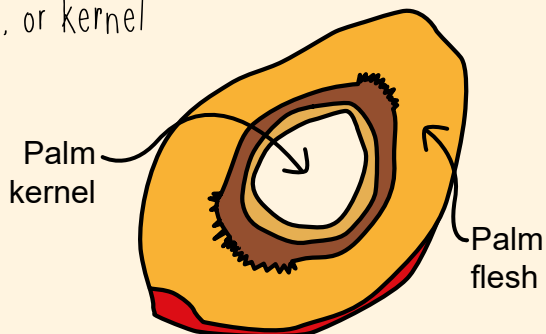
They're REALLY TALL, single-stemmed trees which grow between 8 and 20m high



They need *space* to breathe. They prefer loads of light with open canopy conditions.

They have a stem diameter of **as much as 0.5m**

Oil can be extracted from *two parts* of the fruit. The outer flesh and the seed, or kernel



Palm oil from the flesh produces **edible palm oil**, which you'll find in food products



Palm kernel oil or its derivatives are *mainly* used in cosmetics, detergents and chemicals



Palm oil kernels can be roasted and eaten or ground into flour

The plants can only grow in areas **10° north or south** of the equator. These are also the **most biodiverse** areas on the planet.

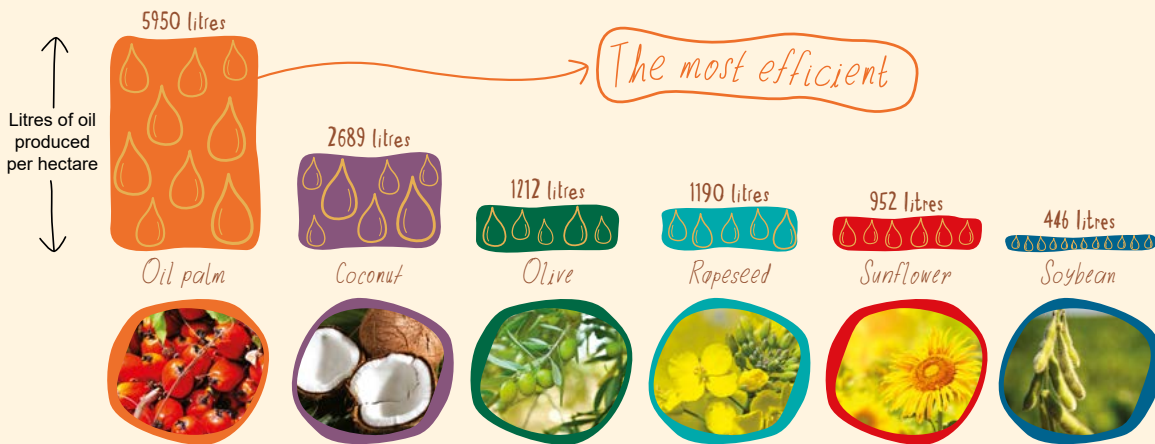


The GOOD...

Oil palms produce **more** vegetable oil per land area than any other oil crop

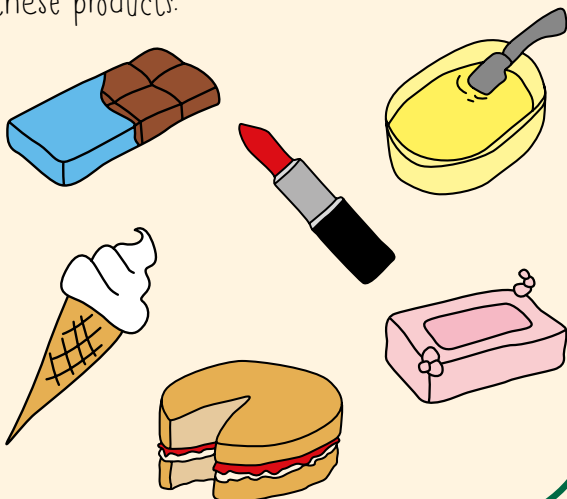
So *less land* is needed to create the same quantities than other oil crops. Sustainable palm oil practice means *FEWER* rainforests are at risk from being destroyed to make more plantations.

Have a look at the comparison of how many litres of oil is produced per hectare for the most common vegetable oils...



It's a useful versatile product

Up to **50%** of products in a UK supermarket might contain it. You might find palm oil in these products:



It's vital for developing countries

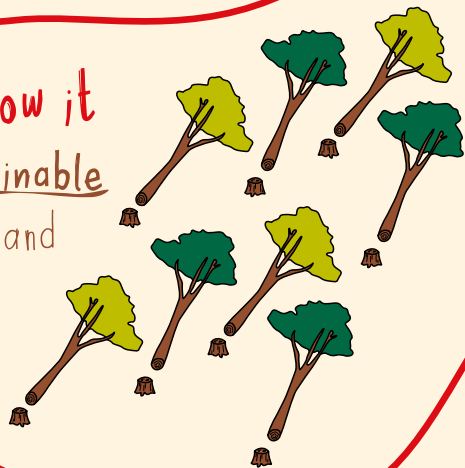
It helps grow their economies and brings people out of *poverty*. It supports over **3.7 million people** in Indonesia alone.



The BAD...

Rainforests are DESTROYED to grow it

They're often cut down to make way for unsustainable oil palm plantations. Animals lose their habitat and poachers have easier access to their homes.

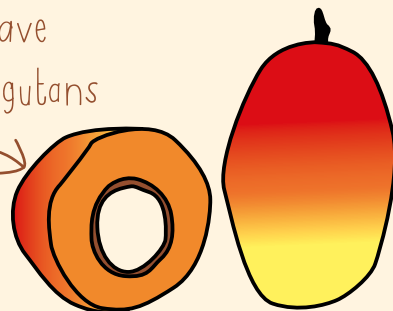


It affects local people

They experience *poor human rights* and land disputes. And removing forests for unsustainable oil palm plantations can cause flooding. This DAMAGES crops and people's homes, causing **social conflict**.

It THREATENS many species

Unsustainably grown oil palm plantations have *very little plant diversity*. Animals like orangutans can't survive by only eating oil palm fruit. Forcing them to **move away** to find rapidly shrinking suitable habitat to live in.



Palm oil has the POTENTIAL to be an environmentally friendly oil if grown in the right way: **sustainably**.

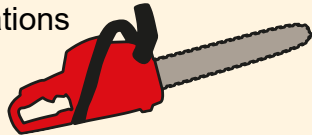
It is now mandatory in the EU for manufacturers to **label palm oil on food products**. This will allow consumers like us to make a fully informed choice about whether or not we want to purchase products containing palm oil. This is the first step in creating a market for sustainable palm oil. We believe a boycott of palm oil is not the answer. A better choice is **sustainable palm oil**.

If demand for oil isn't met by palm oil, other crops **MORE DAMAGING** to the environment will take its place

Because other crops are less efficient, this will convert **EVEN MORE** land into use for agriculture

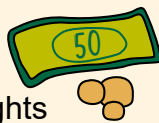
Sustainably produced palm oil must meet certain criteria

Primary rainforests aren't cut down for new plantations



Plantation owners follow 'best practice' to make the plantation efficient and reduce the impact on the environment

Workers are cared for and given proper wages and rights



Wild life corridors are kept to connect fragmented species



Chester Zoo is working alongside our *partners* in South East Asia to **PROTECT** the largest orangutan population in the Malaysian state of **Sabah**

We're also working here in the UK to campaign for people to use sustainable palm oil and we've set the ambitious target of turning Chester into the *first sustainable palm oil city* in the world

PALM OIL CONGA

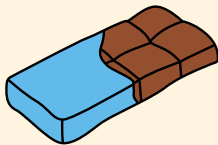
We've created a brilliant song called the **Palm Oil Conga** with **Ashley Fayth**. If you'd like to sing along you can find the music video here; chesterzoo.org/schools/resources/palm-oil-conga-singalong-video/



PALM OIL CONGA LYRICS SO YOU CAN SING ALONG!

VERSE 1

In the deepest darkest jungles
of Sumatra and Borneo,
High up in the oil palm tree
A magical fruit grows.
It makes a tasty pizza,
Then washes all the plates,
It fuels our cars and chocolate bars,
And ice cream cones, and cakes!



CHORUS

Wey-oh-ay-oh-ay-oh
We're gonna sing a song-a!
Wey-oh-ay-oh-ay-oh
And do the Palm Oil Cong-a!

Wey-oh-ay-oh-ay-oh
So won't you come along-a?
Be sustainable, read the label, and
Do the Palm Oil Conga!

VERSE 2

But there's a palm oil problem
We're trying hard to crack -
Mass deforestation -
And we're going to fight back!
To shed some light on workers' rights
And show the world we care
About endangered elephants,
Orang-utans, and bears!

REPEAT CHORUS



VERSE 3

There's a special something
We really wanna be -
The first sustainable palm oil city
The world has ever seen.
And if we stand together
Then our message will be strong!
We have a voice, we have a choice -
And it's sustainable palm!

REPEAT CHORUS x2

WHAT CAN YOU DO?

TAKE THE SUSTAINABLE PALM OIL CHALLENGE



YOU CAN MAKE A DIFFERENCE FOR ORANGUTANS WHENEVER YOU GO SHOPPING...

Take a look at our **Sustainable Palm Oil Shopping List** to see what chocolate, biscuits or butter brands contain 100% RSPO certified sustainable palm oil, so that when you're next doing your shopping you can swap unsustainable products for sustainable ones!

chesterzoo.org/palmoil



YOU CAN BECOME A SUSTAINABLE CHAMPION...

Step 1

Make a pledge

Step 2

Make **ONE** change

Step 3

Tell **EVERYONE** about it



Step 4

You're now a sustainable palm oil **CHAMPION**

Pledge your support for Chester becoming the first **Sustainable Palm Oil City** in the world!

chesterzoo.org/palmoil



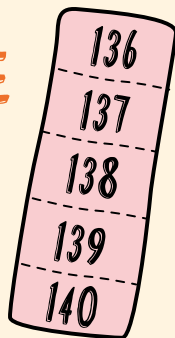
FUNDRAISING

There are LOADS of fantastic ways you can raise money for Chester Zoo to help protect the forests and the orangutans who live there.

Here are some ideas to get you started...

ORGANISE A RAFFLE

Ask for prize donations from local businesses, friends and family and sell raffle tickets



HOST AN ANIMAL QUIZ

Get friends and family together with each team giving a *donation* to take part.



SUSTAINABLE PALM OIL BAKE SALE

Get baking using sustainable palm oil ingredients, and then hold a bake sale to *raise money*

We have some recipes you can download from:
chesterzoo.org/schools/resources/sustainable-palm-oil-recipe-pack/



GOLDEN MILE CHALLENGE

Instead of getting sponsored for running or walking a mile, why not **conga**? Over a week see if your class can work together to conga for a *mile*!

BY GETTING INVOLVED IN THE SUSTAINABLE PALM OIL CHALLENGE YOU'LL BE HELPING THESE FABULOUS ANIMALS...

Orangutan

They're **CRITICALLY ENDANGERED** in the wild. Over the last 20 years around 80% of orangutan habitat has been lost to oil palm plantations. If numbers of orangutans continue to decline at the current rate they could become **extinct** in the wild within the next 20 years.

There are 3 species of orangutan: Sumatran, Bornean and Tapanuli. The Tapanuli orangutan was only officially identified in 2017, and is the **rarest** of the great apes with 800 or fewer individuals left.

They're the largest tree-dwelling animals on earth, spending around 90% of their time in the treetops.



Sumatran Tiger

They're **CRITICALLY ENDANGERED** with less than 400 individuals left in the wild. Deforestation for oil palm plantations is shrinking their habitat. They're also under threat from poaching and it's estimated that at least 40 animals per year are killed by poachers.

Sumatran tigers are the smallest tiger species and only found on the Indonesian island of Sumatra.

They have webbed paws and are brilliant swimmers. They sometimes use this to their advantage when hunting by chasing their prey into the water where they can catch it more easily.



Challenge tasks

SUSTAINABLE
PALM OIL
CHALLENGE

Describe the characteristics of an **orangutan** and the *habitat* in which they live.

Explain the **THREATS** that wild orangutans are facing and how this is affecting their population.

Explore the **link** between orangutans and palm oil.

Define **what palm oil is**, explore how it is used, and *compare* it with other oils.

Review the work that Chester Zoo is doing to *support wild orangutans* in collaboration with **Hutan**.

What is **sustainable palm oil** and how can this help orangutans?

Share your story, let other people know about what you've been doing and how they can take action too.

Apply what **you** have learnt to **develop a project** take action to help orangutans!

As an individual/
class/school/
family/community

FOR MORE INFORMATION CHECK OUT THESE LINKS:

chesterzoo.org/palmoil

chesterzoo.org/schools/resources
(search palm oil)

SHARE YOUR PROGRESS WITH US

#PalmOil

 @LearnatCZ

 @chesterzoo

 volunteers@chesterzoo.org

ACT FOR
WILDLIFE
LED BY 