<table>
<thead>
<tr>
<th>FARMING AND RECYCLING</th>
<th>FARMING AND RECYCLING</th>
</tr>
</thead>
</table>
| New improvements in the energy efficiency for the production of your feedstock. You consume less to produce more!!!  
*Move 4 cases* | New improvements in the production yields (X3) of your feedstock!  
*Move 6 cases* |

<table>
<thead>
<tr>
<th>FARMING AND RECYCLING</th>
<th>FARMING AND RECYCLING</th>
</tr>
</thead>
</table>
| New improvements in the network to collect your feedstock.  
*Move 4 cases* | A conversion plant has been built in your area!!!  
*Move directly to the pretreatment process* |

<table>
<thead>
<tr>
<th>FARMING AND RECYCLING</th>
<th></th>
</tr>
</thead>
</table>
| A new federal law has been voted in favor of biomass production!  
*Move 5 cases* | |

<table>
<thead>
<tr>
<th>FARMING AND RECYCLING</th>
<th></th>
</tr>
</thead>
</table>
| New improvements in your feedstock storage  
*Move 5 cases* | |

PRINT OUT THIS PAGE ON HEAVY WEIGHT PAPER AND CUT OUT BOXES. STUDENTS CAN CREATE THEIR OWN “BIOBASED FUELS” DESIGNS ON THE BACKS OF THE R&D CARDS.

PLACE THE CARDS FACE DOWN ON THE “RESEARCH AND DEVELOPMENT” (R&D) SPOTS ON THE GAME BOARD UNDER THE CORRECT CATEGORY:

- Farming and Recycling
- Industrial Processing
- Markets
INDUSTRIAL PRODUCTION
New improvements in the conversion yields of your feedstock thanks to your scientists!
*Go to the next process*

INDUSTRIAL PRODUCTION
A new conversion method has been developed. Your bioprocess is more efficient!
*Go to the next process*

INDUSTRIAL PRODUCTION
New technology available: a nanofiltration membrane has been developed by your scientists
*Go to the next process*

INDUSTRIAL PRODUCTION
Your pilot plant study is successful! You have a new technology to implement at the industrial scale.
*Go to the next process*

PRINT OUT THIS PAGE ON HEAVY WEIGHT PAPER AND CUT OUT BOXES. STUDENTS CAN CREATE THEIR OWN "BIOBASED FUELS" DESIGNS ON THE BACKS OF THE R&D CARDS

PLACE THE CARDS FACE DOWN ON THE “RESEARCH AND DEVELOPMENT” (R&D) SPOTS ON THE GAME BOARD UNDER THE CORRECT CATEGORY:
- Farming and Recycling
- Industrial Processing
- Markets
Markets

Your feedstock is the cheapest on the market. You are the most competitive!  
*Move 4 cases*

Markets

The scientific research you invested in has been patented. You have the leadership on several technologies!  
*Move 6 cases*

Markets

You have developed a valuable by-product with the production wastes. You are making more money!!  
*Move 4 cases*

Markets

All the scientific research has made your production extremely efficient! You are producing faster and cheaper than all your competitors.  
*Move 6 cases*

Markets

The price of crude oil has increased again. Your biofuel is extremely competitive on the energy markets.  
*Move 5 cases*

Markets

A new federal law has been voted in favor of renewable energies! New markets are available!  
*Move 5 cases*

PRINT OUT THIS PAGE ON HEAVY WEIGHT PAPER AND CUT OUT BOXES. STUDENTS CAN CREATE THEIR OWN “BIOBASED FUELS” DESIGNS ON THE BACKS OF THE R&D CARDS

PLACE THE CARDS FACE DOWN ON THE “RESEARCH AND DEVELOPMENT” (R&D) SPOTS ON THE GAME BOARD UNDER THE CORRECT CATEGORY:
- Farming and Recycling
- Industrial Processing
- Markets