Table 1 BioLUC levers for China

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Lever | Demand | Yield | Biofuel Policy | Population |
| 1 | Keep | Keep | E2 B0.5 Keep | 12.60 billion High variant-2060 |
| 2 | High | High | E4.5 B3.5 Accelerated | 11.35 billion Middle variant-2060 |
| 3 | Very High | Very High (GTAP) | E10 B5 Extremely Accelerated | 10.18 billion Low variant-2060 |

Lever 1 Current Biofuel Policy from IEA reports

Bioethanol 2% Biodiesel 0.5% by 2030

Lever 2 Accelerated scenario from IEA reports

Bioethanol 4.5% Biodiesel 3.5% by 2030

Lever 3 Extremely Accelerated scenario from Chinese government

Bioethanol 10% Biodiesel 5% by 2030

Table 2 BioLUC scenarios for China

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Run | China Scenarios | Chinese Demand | Chinese Yield | Chinese Biofuel Policy | Chinese Population |
| 5 | High Land Use Pressure for Rest of World Scenario | Very High | Keep | E10 B5 SAF3 Extremely Accelerated | 12.60 billion High variant-2060 |
| 4 | Extremely Accelerated Biofuel Scenario | Very High | Very High | E10 B5 SAF3 Extremely Accelerated | 10.18 billion Low variant-2060 |
| 3 | Accelerated Biofuel Scenario | High | High | E4.5 B3.5 SAF1.5 Accelerated | 12.60 billion High variant-2060 |
| 2 | Base Line Scenario | Keep | Keep | E2 B0.5 SAF0 Keep | 11.35 billion Middle variant-2060 |
| 1 | Low Land Use Pressure for Rest of World Scenario | Keep | Very High | E2 B0.5 SAF0 Keep | 10.18 billion Low variant-2060 |