

Sugar Mill: Usina Coruripe

Iturina, Brasil



Fuel: Diesel

Machine/Type: Truck/Motor

Test: Fuel Efficiency

Xp Lab, Inc.

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CASE STUDY



OBJECTIVE

Quantify the benefits obtained by using Xp3 additive in the machinery at our sugar mill: Usina Coruripe.



PROCESS

The total amount for fuel consumption was compared between the years 2011 when no fuel additive was used, versus 2012 when fuel additive was used. Same equipment and machinery at the same location, Iturina, were used in both years.

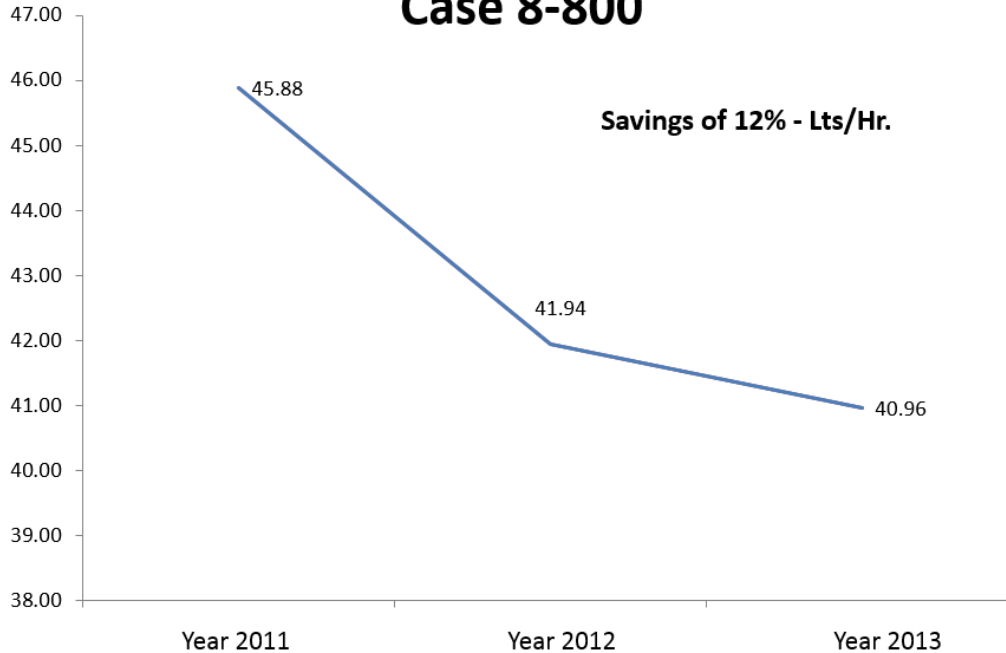
RESULTADOS

The use of Xp3 proved to cause a significant reduction in the amount of fuel used.

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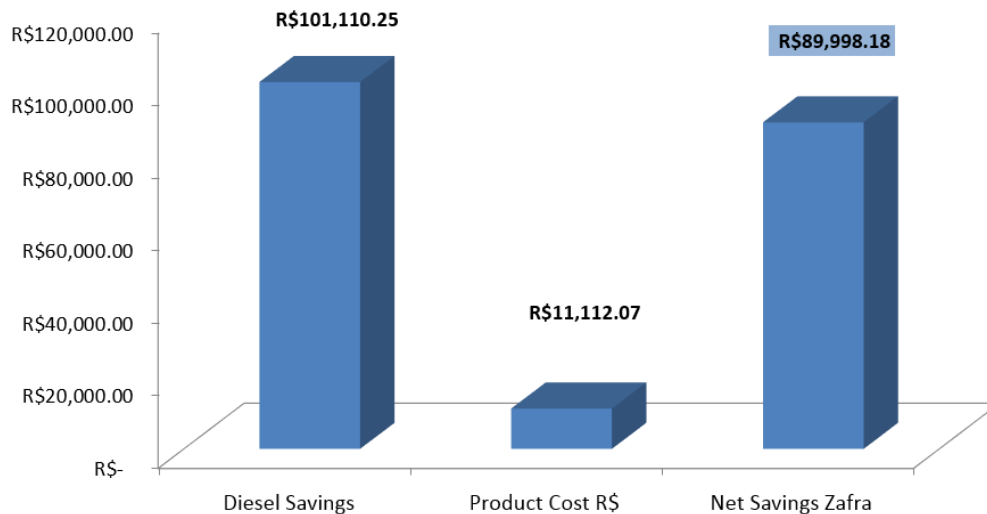
Evolution of Diesel Consumption - Lts/Hrs Case 8-800



Benefit: Zafra 2011 X 2012 Case 8-800

Parameters

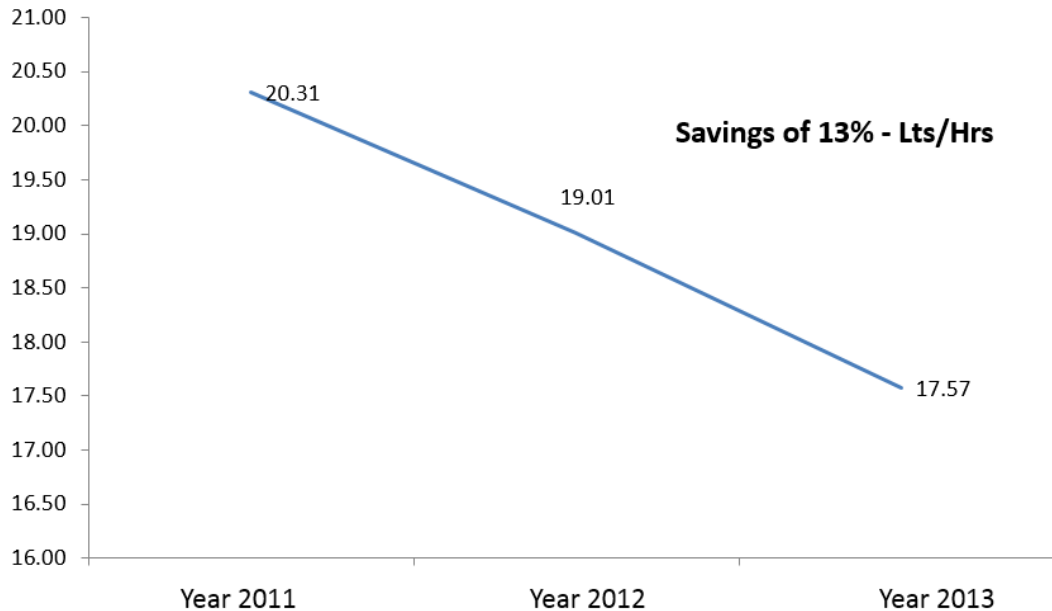
Number of Machines: 5
Hours Worked: Mach./Zafra -2500
R\$ Liter Diesel – 2053
R\$ Liter Additive – 81,11
Liters of Product Used - 137



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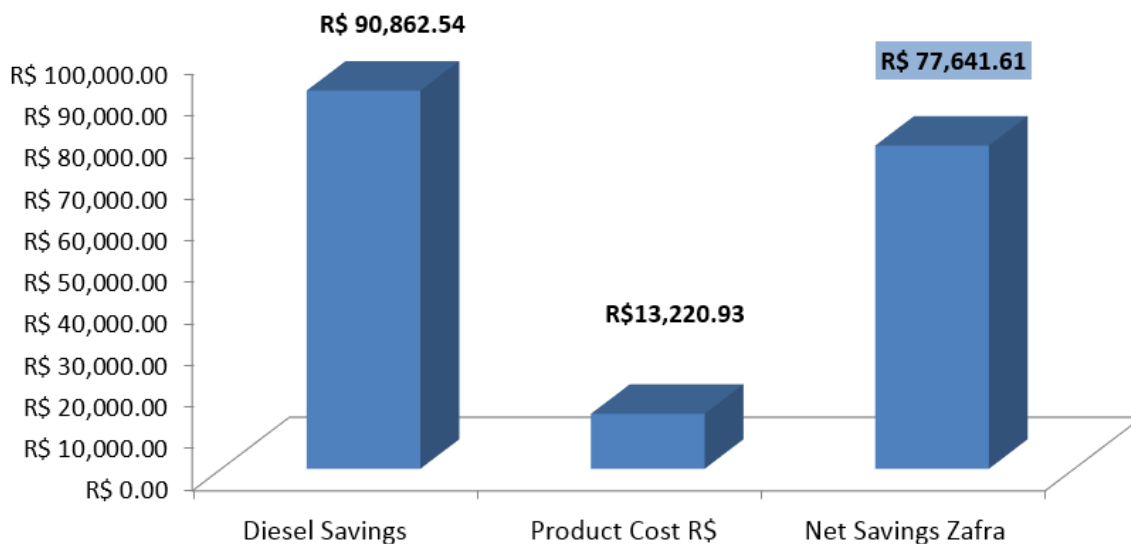
Evolution of Diesel Consumption - Lts/Hrs MX 220



Benefit: Zafra 2011 X 2012 MX 220

Parameters

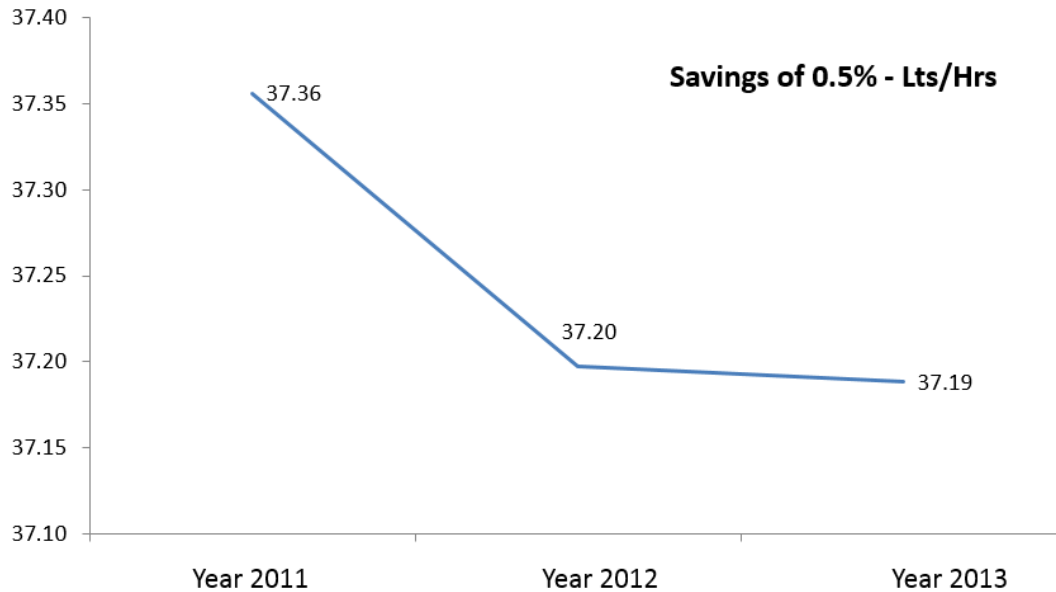
Number of Machines: 20
 Hours Worked: Mach./Zafra - 1700
 R\$ Liter Diesel – 2.05
 R\$ Liter Additive – 81,11
 Liters of Product Used - 163



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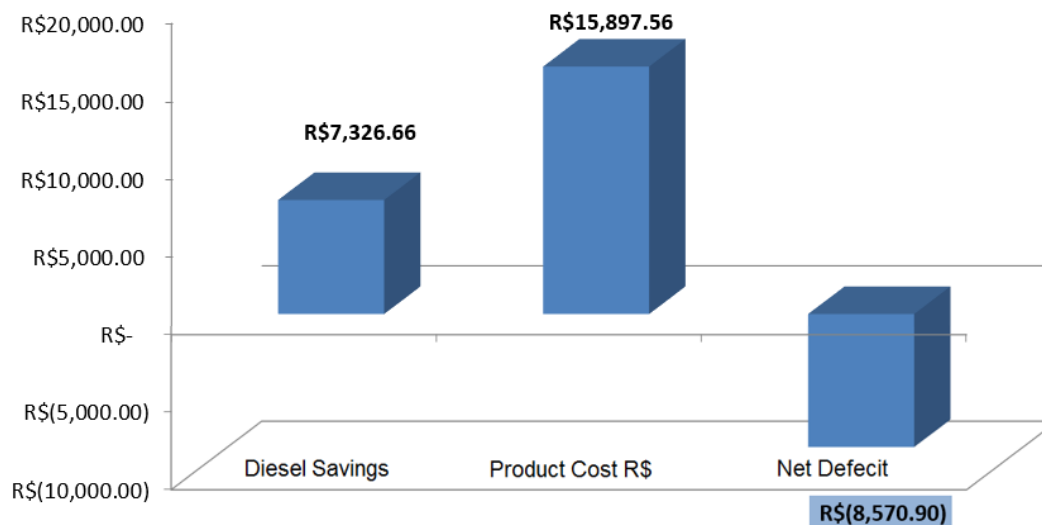
Evolution of Diesel Consumption - Lts/Hrs Case 7-700



Benefit: Zafra 2011 X 2012 Case 7-700

Parameters

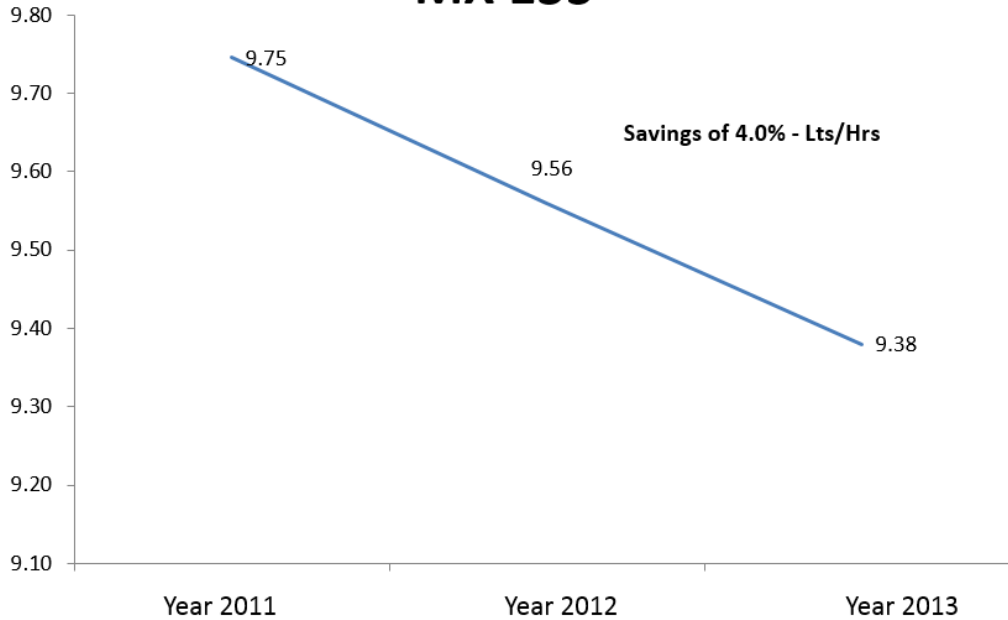
Number of Machines: 9
 Hours Worked: Mach./Zafra - 2500
 R\$ Liter Diesel - 2,05
 R\$ Liter Additive - 81,11
 Liters of Product Used - 196
 R\$ Cost of Product - 15,897.56



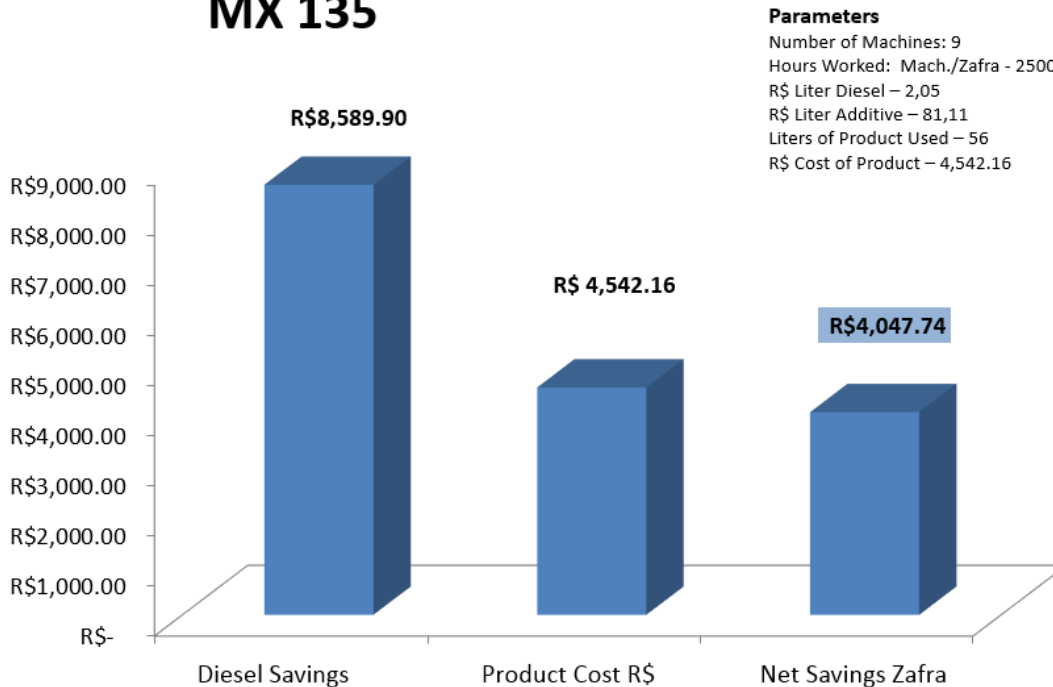
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Evolution of Diesel Consumption - Lts/Hrs MX 135



Benefit: Zafra 2011 X 2012 MX 135

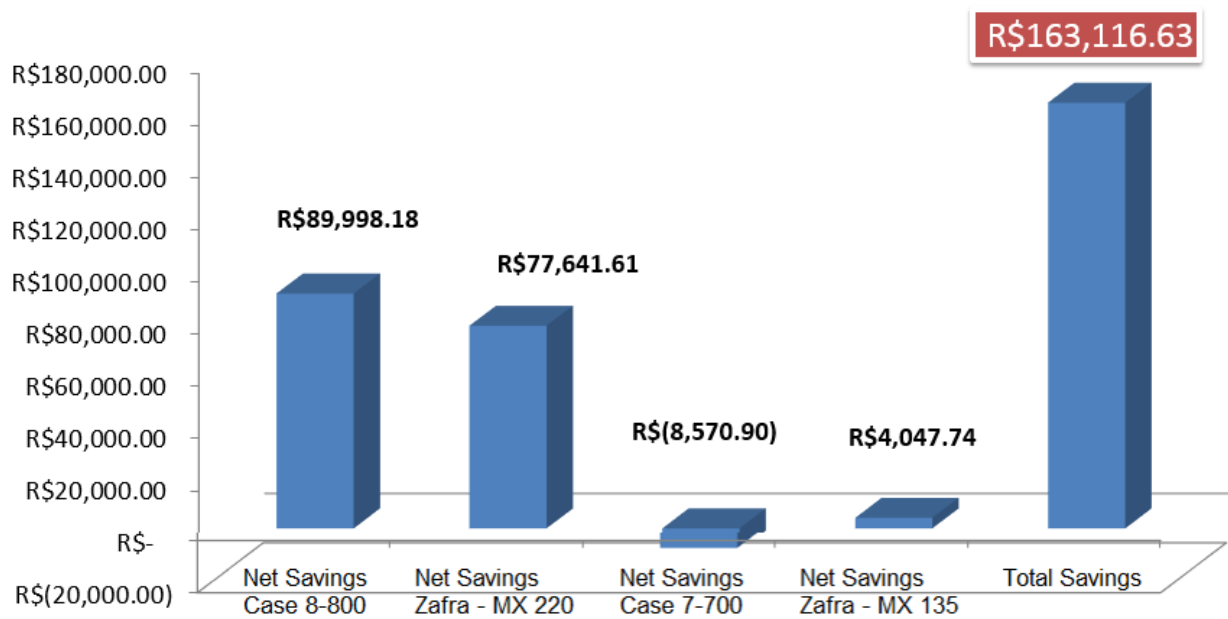


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CONCLUSION

Total Benefit in Zafra 2012



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