



BIOFUELS DEMAND FORECASTS

December 19, 2016

Preview

1. Europe

1.1 France

1.2 Germany

1.3 Italy

1.4 Spain

1.5 UK

1.6 Poland

1.7 Sweden

1.8 Portugal

1.9 Netherlands

1.10 Belgium

1.11 Luxembourg

1.12 Austria

1.13 Ireland

1.14 Denmark

1.15 Finland

1.16 Czech Republic

1.17 Slovakia

1.18 Slovenia

1.19 Croatia

1.20 Hungary

1.21 Bulgaria

1.22 Romania

1.23 Latvia

1.24 Estonia

1.25 Lithuania

1.26 Malta

1.27 Cyprus

1.28 Greece

1.29 Norway

1.30 Switzerland

2. Europe total



1.1 FRANCE

1. Europe

- 1.1 France
- 1.2 Germany
- 1.3 Italy
- 1.4 Spain
- 1.5 UK
- 1.6 Poland
- 1.7 Sweden
- 1.8 Portugal
- 1.9 Netherlands
- 1.10 Belgium
- 1.11 Luxembourg
- 1.12 Austria
- 1.13 Ireland
- 1.14 Denmark
- 1.15 Finland
- 1.16 Czech Republic
- 1.17 Slovakia
- 1.18 Slovenia
- 1.19 Croatia
- 1.20 Hungary
- 1.21 Bulgaria
- 1.22 Romania
- 1.23 Latvia
- 1.24 Estonia
- 1.25 Lithuania
- 1.26 Malta
- 1.27 Cyprus
- 1.28 Greece
- 1.29 Norway
- 1.30 Switzerland

2. Europe total

MANDATES	2015	2016	2017
Biodiesel (e.c)	7% + 0.7%	7% + 0.7%	7% + 0.7%
Ethanol (e.c)	7%	7%	7%

(Kcum)

FUEL MARKET	2015	2016	2017
Diesel fossil road	37 549	37 719	38 618
Diesel fossil non-road	0	2 600	3 900
Fame	3 063	3 194	3 283
HVO	182	290	390
Diesel fuels under compliance	40 795	43 803	46 191
Gasoline fossil	8 719	8 799	8 883
Ethanol	779	795	812
Gasoline fuels under compliance	9 498	9 593	9 689

FEEDSTOCK MIX	2015	2016	2017
Fame single counted	2908	3028	3108
RME	2 756	2 835	2 895
PME	110	150	170
SME	30	30	30
Others	12	13	13
Fame double counted	155	166	175
UCOME	104	110	110
TME	52	56	65
Ethanol single counted	746	760	772
Ethanol double counted	33	35	40

2015

—

- **Official Custom Data**
- Fame stable compared to 2014
- B7 already hit
- HVO up 43%

2016

—

- 50% non road diesel included in the mandate: decreases availability of tickets
- B8 largely ignored
- Need of HVO grows in response
- Negative impact of strike (40-60 Kcum?) not included

2017

—

- 75% of non road diesel to be included in the mandate
- Very slow take-off for B10
- HVO to fill the additional needs



1.1 FRANCE

1. Europe

- 1.1 France*
- 1.2 Germany*
- 1.3 Italy*
- 1.4 Spain*
- 1.5 UK*
- 1.6 Poland*
- 1.7 Sweden*
- 1.8 Portugal*
- 1.9 Netherlands*
- 1.10 Belgium*
- 1.11 Luxembourg*
- 1.12 Austria*
- 1.13 Ireland*
- 1.14 Denmark*
- 1.15 Finland*
- 1.16 Czech Republic*
- 1.17 Slovakia*
- 1.18 Slovenia*
- 1.19 Croatia*
- 1.20 Hungary*
- 1.21 Bulgaria*
- 1.22 Romania*
- 1.23 Latvia*
- 1.24 Estonia*
- 1.25 Lithuania*
- 1.26 Malta*
- 1.27 Cyprus*
- 1.28 Greece*
- 1.29 Norway*
- 1.30 Switzerland*

2. Europe total

ASSUMPTIONS	2015	2016	2017
B7/B10 blend wall	2 856	3 066	3 247
E5/E10 blend wall	610	630	650
B10 market share	0%	0%	1%
E10 market share	32%	35%	38%
Diesel fuels growth	1%	1%	1%
Gasoline fuels growth	1.4%	1%	1%

BIO SUBSTITUTES SHARES (e.c)	2015	2016	2017
Diesel bio substitutes (VVO)	7.00%	7.01%	7.01%
Diesel bio substitutes (wastes)	0.70%	0.70%	0.70%
Gasoline bio substitutes	6.34%	6.42%	6.52%
Share Crop	6.81%	6.83%	6.84%



1.9 NETHERLANDS

1. Europe

- 1.1 France
- 1.2 Germany
- 1.3 Italy
- 1.4 Spain
- 1.5 UK
- 1.6 Poland
- 1.7 Sweden
- 1.8 Portugal
- 1.9 Netherlands
- 1.10 Belgium
- 1.11 Luxembourg
- 1.12 Austria
- 1.13 Ireland
- 1.14 Denmark
- 1.15 Finland
- 1.16 Czech Republic
- 1.17 Slovakia
- 1.18 Slovenia
- 1.19 Croatia
- 1.20 Hungary
- 1.21 Bulgaria
- 1.22 Romania
- 1.23 Latvia
- 1.24 Estonia
- 1.25 Lithuania
- 1.26 Malta
- 1.27 Cyprus
- 1.28 Greece
- 1.29 Norway
- 1.30 Switzerland

2. Europe total

MANDATES	2015	2016	2017
Biofuels (e.c)	6.25%	7%	7.75%

(Kt)

FUEL MARKET	2015	2016	2017
Diesel fossil road	5 858	5 917	5 976
Fame	310	340	370
HVO	5	8	10
Diesel fuels under compliance	6 174	6 265	6 356

Gasoline fossil	3 848	3 886	3 925
Ethanol	221	211	213
Gasoline fuels under compliance	4 073	4 112	4 153

FEEDSTOCK MIX	2015	2016	2017
Fame single counted	49	53	58
RME	41	45	49
PME	4	5	5
Others	3	4	4

Fame double counted	262	286	312
UCOME	210	230	251
TME	37	40	44
Palm wastes ME	14	16	17

Ethanol single counted	221	211	213
Ethanol double counted	4	14	14

2015

-
- **Official NEA data**
- Total fuels under compliance (road + rail) decreased by 1.8% compared to 2014
- A small surplus of tickets was created (equivalent to 30 Kt Fame)

2016

-
- E5 blend wall already hit so 100% of the growth fueled by Fame/HVO
- Fame feedstock mix kept stable compared to 2015
- HVO grows only slowly, as B7 blend wall not reached

2017

-
- Same assumptions as 2016



1. Europe

- [1.1 France](#)
- [1.2 Germany](#)
- [1.3 Italy](#)
- [1.4 Spain](#)
- [1.5 UK](#)
- [1.6 Poland](#)
- [1.7 Sweden](#)
- [1.8 Portugal](#)
- [1.9 Netherlands](#)
- [1.10 Belgium](#)
- [1.11 Luxembourg](#)
- [1.12 Austria](#)
- [1.13 Ireland](#)
- [1.14 Denmark](#)
- [1.15 Finland](#)
- [1.16 Czech Republic](#)
- [1.17 Slovakia](#)
- [1.18 Slovenia](#)
- [1.19 Croatia](#)
- [1.20 Hungary](#)
- [1.21 Bulgaria](#)
- [1.22 Romania](#)
- [1.23 Latvia](#)
- [1.24 Estonia](#)
- [1.25 Lithuania](#)
- [1.26 Malta](#)
- [1.27 Cyprus](#)
- [1.28 Greece](#)
- [1.29 Norway](#)
- [1.30 Switzerland](#)

2. Europe total

1.9 NETHERLANDS

ASSUMPTIONS	2015	2016	2017
B7/B10 blend wall	452	458	465
E5/E10 blend wall	223	226	228
B10 market share	0%	0%	0%
E10 market share	0%	0%	0%
Diesel fuels growth	-4.1%	0.5%	0.5%
Gasoline fuels growth	1.9%	1.0%	1.0%

BIO SUBSTITUTES SHARES (e.c)	2015	2016	2017
Fuels bio substitutes	6.46%	7.05%	7.49%
Share Crop	1.79%	1.74%	1.77%



1.29 NORWAY

1. Europe

- 1.1 France
- 1.2 Germany
- 1.3 Italy
- 1.4 Spain
- 1.5 UK
- 1.6 Poland
- 1.7 Sweden
- 1.8 Portugal
- 1.9 Netherlands
- 1.10 Belgium
- 1.11 Luxembourg
- 1.12 Austria
- 1.13 Ireland
- 1.14 Denmark
- 1.15 Finland
- 1.16 Czech Republic
- 1.17 Slovakia
- 1.18 Slovenia
- 1.19 Croatia
- 1.20 Hungary
- 1.21 Bulgaria
- 1.22 Romania
- 1.23 Latvia
- 1.24 Estonia
- 1.25 Lithuania
- 1.26 Malta
- 1.27 Cyprus
- 1.28 Greece
- 1.29 Norway
- 1.30 Switzerland

2. Europe total

MANDATES	2015	2016	2017
Biofuels (vol)	5.5% (Jul 1)	5.5%	7%
Ethanol (min. vol)	0%	0%	4%
Advanced biofuels (vol)	0%	0%	1.5%

(Kcum)

FUEL MARKET	2015	2016	2017
Diesel fossil road	2 823	2 872	2 886
Fame	170	201	208
HVO	0	10	20
Diesel fuels under compliance	2 993	3 083	3 114
Gasoline fossil	1 157	1 133	1 121
Ethanol	20	21	44
Gasoline fuels under compliance	1 177	1 154	1 165

FEEDSTOCK MIX	2015	2016	2017
Fame single counted	165	185	185
RME	160	180	180
SME	5	5	5
Fame double counted	6	16	23
UCOME	2	12	20
Forest residues ME	2	2	3
PFAD ME	2	2	0
Ethanol single counted	20	21	41
Ethanol double counted	0	0	3

2015

-
- **Official Ministry & SSB data**
- Numbers include only biofuels used for compliance under the transport mandate, not volumes used for heating (which have an impact on import data)

2016

-
- First HVO imports
- Market share of waste based Fame increases
- Ethanol stable compared to 2015
- Overall mandate slightly overcome

2017

-
- More HVO imports
- UCOME preferred to TME for advanced fuels
- Ethanol increase sharply on the new minimum 4% requirement
- First parcel of ethanol double counted used



1.29 NORWAY

1. Europe

- 1.1 France*
- 1.2 Germany*
- 1.3 Italy*
- 1.4 Spain*
- 1.5 UK*
- 1.6 Poland*
- 1.7 Sweden*
- 1.8 Portugal*
- 1.9 Netherlands*
- 1.10 Belgium*
- 1.11 Luxembourg*
- 1.12 Austria*
- 1.13 Ireland*
- 1.14 Denmark*
- 1.15 Finland*
- 1.16 Czech Republic*
- 1.17 Slovakia*
- 1.18 Slovenia*
- 1.19 Croatia*
- 1.20 Hungary*
- 1.21 Bulgaria*
- 1.22 Romania*
- 1.23 Latvia*
- 1.24 Estonia*
- 1.25 Lithuania*
- 1.26 Malta*
- 1.27 Cyprus*
- 1.28 Greece*
- 1.29 Norway*
- 1.30 Switzerland*

2. Europe total

ASSUMPTIONS	2015	2016	2017
B7/B10 blend wall	210	216	218
E5/E10 blend wall	59	58	58
B10 market share	0%	0%	0%
E10 market share	0%	0%	0%
Diesel fuels growth	3.2%	3.0%	1.0%
Gasoline fuels growth	-5.5%	-2.0%	1.0%

BIO SUBSTITUTES SHARES (vol)	2015	2016	2017
Total bio substitutes	4.71%	5.85%	7.20%
Diesel bio substitutes	5.88%	7.36%	8.38%
Gasoline bio substitutes	1.74%	1.82%	4.03%
Share Crop	4.44%	5.10%	5.52%

Thank you!

The first full issue of the Biofuels Demand Forecasts will be available from January 16, 2017.

*You can order your new subscription by writing to us:
admin@squarecommodities.com*

Copyright & Disclaimer

The content of the publications released by Square Commodities ("the Publisher") is proprietary of the company. No part of the publications (texts, tables, graphics or any other content) may be redistributed in any form or by any means, electronic or mechanical, without prior written permission from the Publisher. This prohibition also applies within companies whose employees are subscribers of the Publisher's services. Only subscribers acknowledged by the Publisher have access to the publications.

The publications have been prepared by the Publisher itself. The information contained therein has been furnished by sources that the Publisher believes to be reliable. However, the Publisher does not guarantee the accuracy, adequacy, timeliness or completeness of such information nor will its employees be responsible for any errors or omissions for the results obtained from the use of the information contained in its publications.

This publications released by the Publisher are for information purposes only and shall not be construed as an offer, invitation or solicitation to enter in any particular transaction trading strategy, mandate or investment profile nor as an investment, legal, audit, tax or other professional advice.

Copyright 2016 Square Commodities. All rights reserved.

Request

Prices list, general terms and publication schedule are available on our website:
www.squarecommodities.com

The historical of price series (since 2009) is also available for sale.

Send us an email at admin@squarecommodities.com for more informations.

Contact

SQUARE COMMODITIES

Avenue de Morges 25
1027 Lonay, Switzerland
Tel: +41 21 800 07 29

Email: admin@squarecommodities.com

EDITOR IN CHIEF

Olivier Pellegrielli
olivier@squarecommodities.com

MORE INFO. VISIT US ON

www.squarecommodities.com

