

# RACEGUIDE

2021 MICHELIN MotoGP™



## 05 SHARK GRAND PRIX DE FRANCE

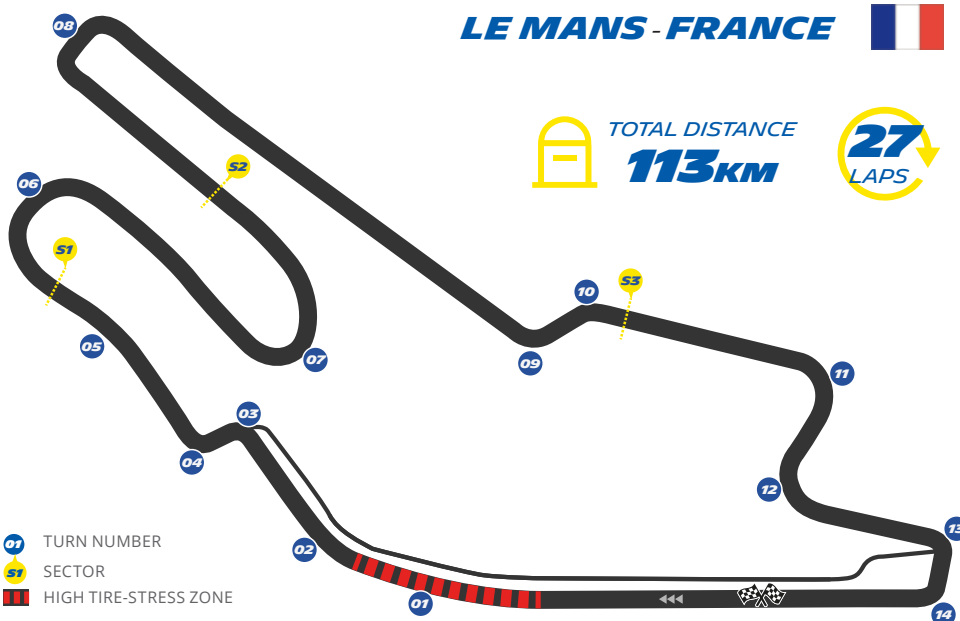
MAY 14 - MAY 16

LE MANS - FRANCE

### TIRE SEVERITY RATING



Severe > < Mild



TOTAL DISTANCE **113KM**

**27** LAPS

- TURN NUMBER
- SECTOR
- HIGH TIRE-STRESS ZONE

LENGTH <b>4.185</b> KM	WIDTH <b>13</b> M	RIGHT CORNERS <b>9</b>	LEFT CORNERS <b>5</b>	LONGEST STRAIGHT <b>674</b> M
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### RECORDS

#### All Time Lap Record

Johann Zarco  
(Yamaha, 2018): 1'31.185

#### Race duration

Marc Márquez  
(Honda, 2018): 41'49.773

#### Best race lap

Maverick Viñales  
(Yamaha, 2017): 1'32.309

#### Top Speed

Francesco Bagnaia  
(Ducati, 2020): 319.6 km/h

### MICHELIN RECORDS

#### Wins



1976, 1979, 1983, 1985, 1989, 1990, 1994, 1995, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2016, 2017, 2018, 2019, 2020

#### Pole positions



1976, 1985, 1987, 1989, 1990, 1994, 1995, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2016, 2017, 2018, 2019, 2020

### SHARK GRAND PRIX DE FRANCE

#### 2020 PODIUM

<b>2</b> A. Márquez (Honda)	<b>1</b> D. Petrucci (Ducati) 🕒 45'54.736s (wet)	<b>3</b> P. Espargaro (KTM)
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2020 Pole: F. Quartararo (Yamaha), 🕒 1'31.315s



# TIMETABLE

## FREE PRACTICE FRIDAY, MAY 14

9:00am-09:40am	Moto3	FP1
9:55am-10:40am	MotoGP	FP1
10:55am-11:35am	Moto2	FP1
11:50am-12:20pm	MotoE	FP 1
1:15pm-1:55pm	Moto3	FP 2
2:10pm-2:55pm	MotoGP	FP 2
3:10pm-3:50pm	Moto2	FP 2
4:50pm-5:20pm	MotoE	FP 2

## QUALIFYING PRACTICE SATURDAY, MAY 15

9:00am-09:40am	Moto3	FP3
9:55am-10:40am	MotoGP	FP3
10:55am-11:35am	Moto2	FP3
11:50am-12:20pm	MotoE	FP 3
12:35pm-12:50pm	Moto3	QP 1
1:00pm-1:15pm	Moto3	QP 2
1:30pm-2:00pm	MotoGP	FP 4
2:10pm-2:25pm	MotoGP	QP 1
2:35pm-2:50pm	MotoGP	QP 2
3:10pm-3:25pm	Moto2	QP 1
3:35pm-3:50pm	Moto2	QP 2
4:10pm-4:50pm	MotoE	E-Pole

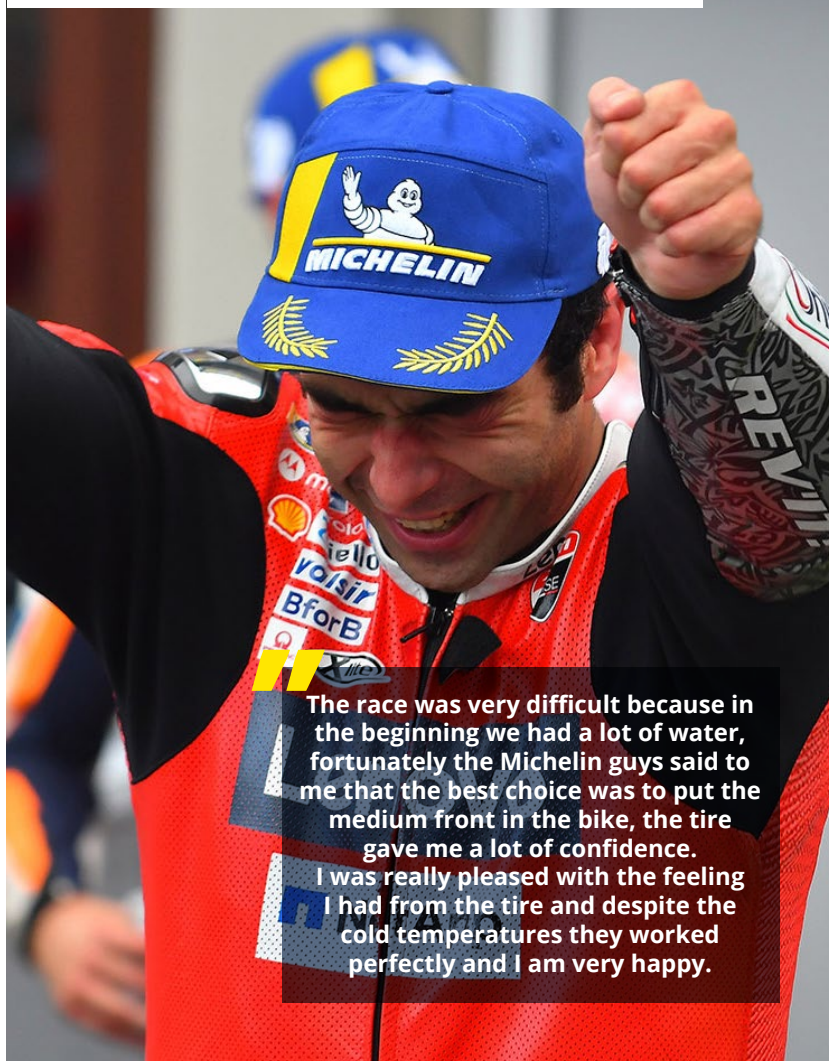
## RACE SUNDAY, MAY 16

8:20am-08:40am	Moto3	WUP
8:50am-09:10am	Moto2	WUP
9:20am-09:40am	MotoGP	WUP
10:05am	MotoE	Race (8 laps)
11:00am	Moto3	Race (22 laps)
12:20pm	Moto2	Race (25 laps)
2:00pm	MotoGP	Race (27 laps)

LOCAL TIME - SOURCE: motogp.com - INFORMATION SUBJECT TO CHANGE

### DANILO PETRUCCI, DUCATI

Winner of the race



The race was very difficult because in the beginning we had a lot of water, fortunately the Michelin guys said to me that the best choice was to put the medium front in the bike, the tire gave me a lot of confidence. I was really pleased with the feeling I had from the tire and despite the cold temperatures they worked perfectly and I am very happy.



## 2021 TIRE REGULATIONS

ALLOCATION PER RACE:

### MICHELIN POWER "SLICK": 22

#### 10 Power front slicks

- ✓ Up to 5 Power Slick Soft
- ✓ Up to 5 Power Slick Medium
- ✓ Up to 5 Power Slick Hard



#### 12 Power rear slicks

- ✓ Up to 6 Power Slick Soft
- ✓ Up to 5 Power Slick Medium
- ✓ Up to 4 Power Slick Hard



Riders who participate in both Q1 and Q2:

- ✓ + 1 MICHELIN Front Power Slick (of the specification the riders prefer)
- ✓ 1 MICHELIN Rear Power Slick Soft

In the case that Q1 and Q2 sessions are both declared wet by the Race Director, the extra tires allocated will be rain tires.

In the case that Q1 and Q2 sessions are declared as different weather conditions (dry or wet) then no extra tire will be allocated.

### MICHELIN POWER RAIN: 13

#### 6 front Power Rain of 2 specifications



#### 7 rear Power Rain of 2 specifications



In the case that any 4 of the 5 sessions, being FP1, 2, 3, 4, and one Qualifying session (excluding warm-up), are declared wet, one more set of rain tires will be allocated to every rider, and the allocation automatically becomes: 7 Front rain tires, and 8 Rear rain tires.

### PIERO TARMASSO

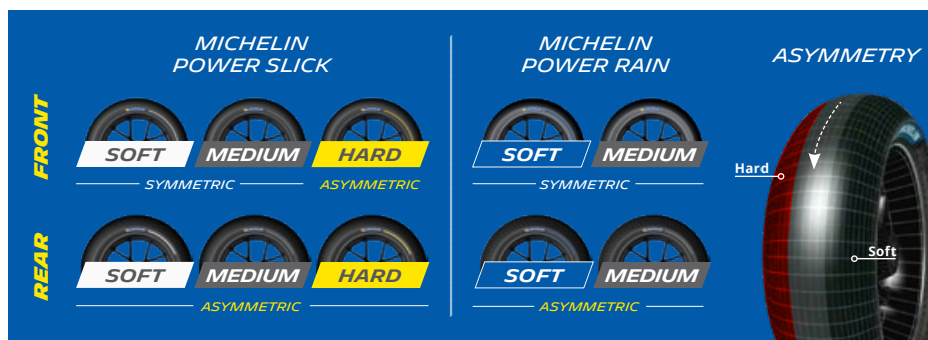
Michelin Motorsport  
Two-Wheel Manager



### THE WEATHER COULD GIVE THE RIDERS THE OPPORTUNITY TO MAKE USE OF THE HIGH GRIP LEVELS PROVIDED BY OUR 2021 RAIN TIRES

We are all very much looking forward to our home race, and the different challenges it will offer us and the riders. So far this season we have been to circuits with warm and dry conditions, but

in Le Mans the weather could be changeable at this time of year, and this could give the riders the opportunity to make use of the high grip levels provided by our 2021 rain tires.



### MOTOGP™ MICHELIN'S RECORD

451  
WINS

31  
TITLES

RIDERS WORLD  
CHAMPION  
(1976 - 2020)



# ENTRY LIST

## MONSTER ENERGY YAMAHA MOTOGP



**MAVERICK VIÑALES**  
#12

Born: January 12, 1995  
Grand Prix debut: 2015, Qatar

109 9 27 12

### RECORD WITH MICHELIN

9 27 12 (0)



**FABIO QUARTARARO**  
#20

Born: April 20, 1999  
Grand Prix debut: 2019, Qatar

37 5 12 12

### RECORD WITH MICHELIN

5 12 12 (0)

## REPSOL HONDA TEAM



**MARC MÁRQUEZ**  
#93

Born: February 17, 1993  
Grand Prix debut: 2013, Qatar

130 56 95 62

World titles:  
(2019, 2018, 2017, 2016, 2014, 2013)

(6)

### RECORD WITH MICHELIN

32 56 32 (4)



**POL ESPARGARÓ**  
#44

Born: June 10, 1991  
Grand Prix debut: 2014, Qatar

122 0 6 2

### RECORD WITH MICHELIN

0 6 2 (0)

## PETRONAS YAMAHA SRT



**FRANCO MORBIDELLI**  
#21

Born: December 4, 1994  
Grand Prix debut: 2018, Qatar

53 3 6 2

### RECORD WITH MICHELIN

3 6 2 (0)



**VALENTINO ROSSI**  
#46

Born: February 16, 1979  
Grand Prix debut: 2000, S. Africa

358 89 199 55

World titles:  
(2009, 2008, 2005, 2004, 2003, 2002, 2001)

(7)

### RECORD WITH MICHELIN

65 124 43 (5)

## TEAM SUZUKI ECSTAR



**ALEX RINS**  
#42

Born: December 8, 1995  
Grand Prix debut: 2017, Qatar

68 3 12 0

### RECORD WITH MICHELIN

3 12 0 (0)



**JOAN MIR**  
#36

Born: September 1<sup>st</sup>, 1997  
Grand Prix debut: 2019, Qatar

35 1 8 0

World title:  
(2020)

(1)

### RECORD WITH MICHELIN

1 8 0 (1)

## APRILIA RACING GRESINI TEAM



**ALEIX ESPARGARÓ**  
#41

Born: July 30, 1989  
Grand Prix debut: 2009, Indianapolis

183 0 1 2



**LORENZO SAVADORI**  
#32

Born: April 4, 1993  
Grand Prix debut: 2020, Europe

7 0 0 0

ROOKIE

## ESPONSORAMA RACING



**LUCAS MARINI**  
#10

Born: August 10, 1997  
Grand Prix debut: 2021, Qatar

4 0 0 0

ROOKIE



**ENEA BASTIANINI**  
#23

Born: December 30, 1997  
Grand Prix debut: 2021, Qatar

4 0 0 0

ROOKIE

## PRAMAC RACING



**JOHANN ZARCO**  
#5

Born: July 16, 1990  
Grand Prix debut: 2017, Qatar

70 0 9 5

### RECORD WITH MICHELIN

0 9 5 (0)



**TITO RABAT**  
#53

Born: May 25, 1989  
Grand Prix debut: 2016, Qatar

78 0 0 0

## TECH 3 KTM FACTORY RACING



**DANILO PETRUCCI**  
#9

Born: October 24, 1990  
Grand Prix debut: 2012, Qatar

155 2 10 0

### RECORD WITH MICHELIN

2 9 0 (0)



**IKER LECUONA**  
#27

Born: January 6, 2000  
Grand Prix debut: 2019, Valence

16 0 0 0

### RECORD WITH MICHELIN

16 0 0 0



**BRAD BINDER**  
#33

Born: August 11, 1995  
Grand Prix debut: 2020, Spain

18 1 1 0

### RECORD WITH MICHELIN

1 1 0 (0)



**MIGUEL OLIVEIRA**  
#88

Born: January 4, 1995  
Grand Prix debut: 2019, Qatar

34 2 2 1

### RECORD WITH MICHELIN

2 2 1 (0)

## LCR HONDA



**ALEX MÁRQUEZ**  
#73

Born: April 23, 1996  
Grand Prix debut: 2020, Spain

18 0 2 0

### RECORD WITH MICHELIN

0 2 0 (0)



**TAKAAKI NAKAGAMI**  
#30

Born: February 9, 1992  
Grand Prix debut: 2018, Qatar

51 0 0 1

### RECORD WITH MICHELIN

0 0 1 (0)

## DUCATI TEAM



**JACK MILLER**  
#43

Born: January 18, 1995  
Grand Prix debut: 2015, Qatar

103 2 11 1

### RECORD WITH MICHELIN

2 11 1 (0)



**FRANCESCO BAGNAIA**  
#63

Born: January 14, 1997  
Grand Prix debut: 2019, Qatar

34 0 4 1

### RECORD WITH MICHELIN

0 4 1 (0)



RACE STARTS



WINS



PODIUMS



POLES



WORLD TITLES



# RIDERS' STANDINGS

		RACE			QAT	QAT	PRT	ESP	FRA	ITA	ESP	DEU	AUT	FIN	SMR	GBR	ESP	SMR	JPN	THA	AUS	MYS	ESP
RIDERS' STANDING		Wins	Podium	Points	Qatar 24/03	Qatar 04/04	Portimao 2/05	Jerez 2/05	Le Mans 16/05	Misano 30/05	Barcelona 06/06	Sachsenring 20/06	Assen 27/06	KymiRing 11/07	Misano 13/09	Silverstone 29/08	Assen 12/09	Misano 19/09	Motegi 03/10	Buriram 10/10	Phillip Island 24/10	Sepang 31/10	Valencia 14/11
					01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19
1	Francesco Bagnaia #63	3	66	16	10	20	20																
2	Fabio Quartararo #20	2	64	11	25	25	3																
3	Maverick Viñales #12	1	50	25	11	5	9																
4	Joan Mir #36		49	13	9	16	11																
5	Johann Zarco #5		48	20	20	DNF	8																
6	Jack Miller #43	1	39	7	7	DNF	25																
7	Aleix Espargaró #41		35	9	6	10	10																
8	Franco Morbidelli #21	1	33	0	4	13	16																
9	Alex Rins #42		23	10	13	DNF	0																
10	Brad Binder #33		21	2	8	11	DNF																
11	Takaaki Nakagami #30		19	DNF	0	6	13																
12	Enea Bastianini #23		18	6	5	7	DNF																
13	Jorge Martin #89	1	17	1	16	DNS	-																
14	Pol Espargaró #44		17	8	3	DNF	6																
15	Marc Marquez #93		16	-	-	9	7																
16	Stefan Bradl #6		11	5	2	-	4																
17	Miguel Oliveira #88		9	3	1	0	5																
18	Alex Marquez #73		8	DNF	DNF	8	DNF																
19	Danilo Petrucci #9		5	DNF	0	3	2																
20	Valentino Rossi #46		4	4	0	DNF	0																
21	Luca Marini #10		4	0	0	4	0																
22	Lorenzo Savadori #32		2	0	0	2	0																
23	Iker Lecuona #27		2	0	DNF	1	1																
24	Tito Rabat #53		0	-	-	-	0																

1<sup>st</sup> ..... 25 pts    4<sup>th</sup> ..... 13 pts    7<sup>th</sup> ..... 9 pts    10<sup>th</sup> ..... 6 pts    13<sup>th</sup> ..... 3 pts  
 2<sup>nd</sup> ..... 20 pts    5<sup>th</sup> ..... 11 pts    8<sup>th</sup> ..... 8 pts    11<sup>th</sup> ..... 5 pts    14<sup>th</sup> ..... 2 pts  
 3<sup>rd</sup> ..... 16 pts    6<sup>th</sup> ..... 10 pts    9<sup>th</sup> ..... 7 pts    12<sup>th</sup> ..... 4 pts    15<sup>th</sup> ..... 1 pt

DNF: Did Not Finish  
 DNS: Did Not Start



# FACTS

## MICHELIN'S MotoGP™ RACE STAFF\*

**15,000**



The number of kilometres covered by a rider during a season (races and practice)



**22**

slick tires a rider can use

during a grand prix weekend (free practice, qualifying, warm-up and race)



MINIMUM PRESSURE FOR A TIRE

Front slick **1,9 BAR**      Rear slick **1,7 BAR**



THE OPERATING TEMPERATURE

Front slick **100°C**      Rear slick **120°C**



**2 DEVELOPERS**



**7 TECHNICIANS**



**11 FITTERS**

**1 MANAGER**



**1 COORDINATOR AND MOTOE MANAGER**



**2 PRESS OFFICERS**



**3 MARKETING / COMMUNICATION**

\*ONLY A PART OF THE MOTOGP TEAM TRAVELS TO EACH RACE.



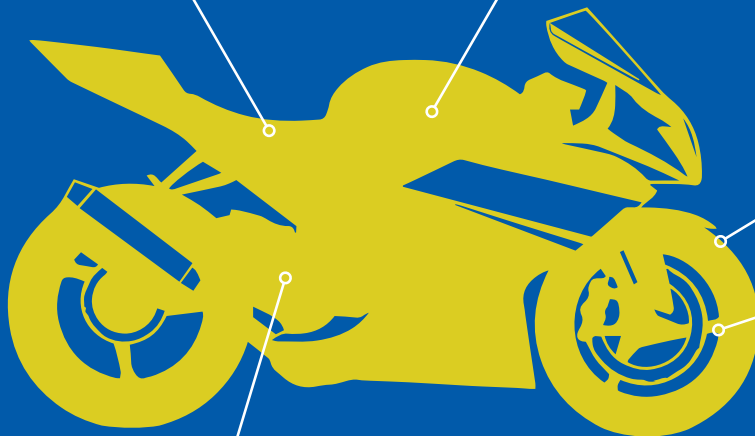
WEIGHT:

**157 KG**



MAXIMUM FUEL TANK CAPACITY:

**22 LITRES**



ENGINE DISPLACEMENT:

**1,000 cc**

**4**  
stroke

POWER:

**240 HP**

TIRES



**MICHELIN POWER SLICK**



OR **MICHELIN POWER RAIN**

**17"**

RIM DIAMETER:

**17 INCHES**

SIZES:

FRONT: **12 / 60 - 17**

Width (cm)      Exterior diameter (cm)      Rim diameter (inches)

REAR: **20 / 69 - 17**





# MICHELIN'S MotoGP™ RANGE 2021 SEASON

## MICHELIN POWER SLICK

FRONT  
12/60 - 17



SOFT

MEDIUM

HARD

REAR  
20/69 - 17



## MICHELIN POWER RAIN

FRONT  
12/60 - 17



SOFT

MEDIUM

REAR  
20/69 - 17



## MICHELIN POWER

### MICHELIN POWER MOTOGP



### MICHELIN POWER PERFORMANCE SLICK



1000CC



600CC

Competition use

### MICHELIN POWER SLICK<sup>2</sup>



Competition Beginner - Track days  
Not type-approved for road use

### MICHELIN POWER CUP<sup>2</sup>



Competition Beginner  
Track days - Road legal

### MICHELIN POWER GP

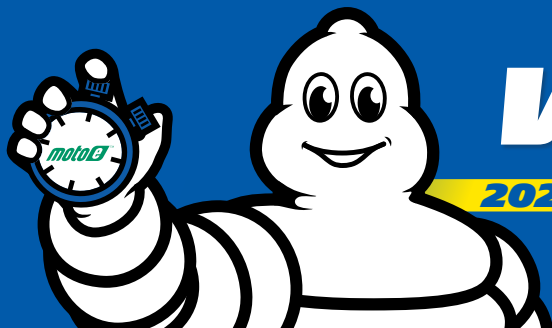


50 % track days - 50 % road

### MICHELIN POWER 5



100 % road



# WORLD CUP

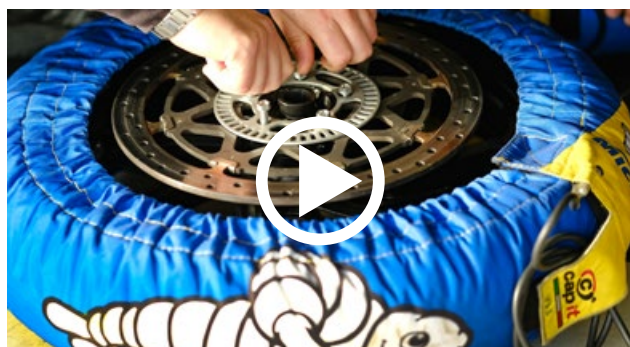
2020 FIM ENEL MotoE™



## PIERO TARMASSO

Michelin Motorsport, Two-Wheel Manager

It will also be good for the MotoE riders to have their second race weekend of the season, following the first at Jerez, and to give them another opportunity to showcase our more environmentally-friendly range of tires, that we have developed specifically for the electric Energica machines using a wide range of sustainable materials, from scrap car and truck tires to orange and lemon peel.



### NEW TIRES FOR 2021:

#### Sustainable materials account for between 33 and 40 percent

of the content of Michelin's new MotoE™ tires

In terms of its FIM MotoE™ World Cup programme, the proportion of sustainable materials used to make its rear tires for the 2021 series has already reached 40 percent, while the figure for its front MotoE™ tires stands at 33 percent.

A wide variety of bio-sourced and recycled materials are employed for the production of Michelin's MotoE™ tires, including: orange and lemon peel, pine resin, sunflower oil, hevea sap, worn truck and car tires, scrap steel.

The increase in the proportion of bio-sourced and recycled materials that go into Michelin's MotoE™ tires means that 4.6 tonnes of sustainable materials will be used in the course of the 2021 series.

### A SINGLE FRONT REAR PAIRING

- ✓ **Exceptional versatility:** just one combination of front and rear tires to cover all the circuits visited by the 2021 series.
- ✓ **High performance:** a revised materials-specification, yet superior performance compared with 2020
- ✓ **Grip:** grip performance from Turn 1, Lap 1

## CALENDAR

7 races, 6 circuits

1	2/05		Jerez - Spain
2	16/05		Le Mans - France
3	6/06		Barcelona - Spain
4	27/06		Assen - Netherlands
5	15/08		Spielberg - Austria
6	18/09		Misano - Italy
7	19/09		

### ALLOCATION PER RIDER



#### SINGLE WEEKEND

- 9 MICHELIN Power slicks MotoE
- 7 MICHELIN Power Rain MotoE
- Slicks: 4 front and 5 rear tires
- Wet: 3 front and 4 rear tires



#### DOUBLE WEEKEND

- 11 MICHELIN Power slicks MotoE
- 9 MICHELIN Power Rain MotoE
- Slicks: 5 front and 6 rear
- Wet: 4 front and 5 rear

One compound option per race weekend  
Based upon the track layout and expected conditions for each Grand Prix, Michelin will select the most suitable tire compound option for each race weekend.





# ENTRY LIST

18 RIDERS REPRESENT 11 TEAMS,  
11 NATIONALITIES, 9 ROOKIES

## OCTO PRAMAC MOTOE

**ALESSANDRO ZACCONE**  
#61  
Italy

7 🏁 1 🏆 1 🏅 0 🏆

**YONNY HERNANDEZ**  
#68  
Spain

1 🏁 0 🏆 0 🏅 0 🏆

ROOKIE

## OPENBANK ASPAR TEAM

**MARIA HERRERA**  
#6  
Spain

14 🏁 0 🏆 0 🏅 0 🏆

**FERMIN ALDEGUER**  
#54  
Spain

1 🏁 0 🏆 0 🏅 0 🏆

ROOKIE

## LCR E-TEAM

**KEVIN ZANNONI**  
#21  
Italy

1 🏁 0 🏆 0 🏅 0 🏆

ROOKIE

**MIQUEL PONS**  
#71  
Spain

1 🏁 0 🏆 0 🏅 0 🏆

ROOKIE

## TRENTINO GRESINI MOTOE

**MATTEO FERRARI**  
#11  
Italy

14 🏁 4 🏆 7 🏅 1 🏆

1 🏆 World title: 2019

**ANDREA MANTOVANI**  
#9  
Italy

1 🏁 0 🏆 0 🏅 0 🏆

ROOKIE

## AVINTIA ESPONSORAMA RACING

**XAVIER CARDELUS**  
#18  
Spain

8 🏁 0 🏆 0 🏅 0 🏆

**ANDRÉ PIRES**  
#14  
Portugal

1 🏁 0 🏆 0 🏅 0 🏆

ROOKIE

## TECH3 E-RACING

**LUKAS TULOVIC**  
#35  
Germany

8 🏁 0 🏆 0 🏅 0 🏆

**CORENTIN PEROLARI**  
#19  
France

1 🏁 0 🏆 0 🏅 0 🏆

ROOKIE

## ONGETTA SIC58 SQUADRA CORSE

**MATTIA CASADEI**  
#27  
Italy

14 🏁 0 🏆 3 🏅 0 🏆

## PONS RACING 40

**JORDI TORRES**  
#40  
Spain

8 🏁 1 🏆 5 🏅 4 🏆

1 🏆 World title: 2020

**JASPER IWEMA**  
#53  
Netherlands

1 🏁 0 🏆 0 🏅 0 🏆

ROOKIE

## ONE ENERGY RACING

**ERIC GRANADO**  
#51  
Brazil

13 🏁 1 🏆 3 🏅 4 🏆

## AVANT AJO MOTOE

**HIKARI OKUBO**  
#78  
Japan

1 🏁 0 🏆 0 🏅 0 🏆

ROOKIE

## DYNAVOLT INTACT GP

**DOMINIQUE AEGERTER**  
#77  
Switzerland

8 🏁 2 🏆 5 🏅 1 🏆

## RACE FORMATS

### PRACTICE

Two practice sessions (30 minutes) on Friday and one on Saturday.

### E-POLE QUALIFYING PRACTICE

Each rider will carry out 3 laps of the circuit (one warm up lap - one timed lap - one slow down lap).

The riders will start one by one, from the end of the pit lane

The starting order of the riders will be the opposite of the combined free practice results

### GRID

Grid positions will be based on the fastest time recorded by the riders in the E-Pole qualifying session.

In the case where the E-Pole qualifying session has been cancelled, the grid position will be based on the fastest times recorded by riders in all free practice sessions.

### RACE

Riders will complete one sighting lap before taking their position on the grid. There is no warm up lap, once the grid preparations have finished, the red light will go out and the race starts.

Tire warmers may be used on the grid.

Charging of the battery on the grid is permitted.

### POINTS-SCORING SYSTEM

All races will count for the Cup classification.

1 <sup>st</sup> ..... 25 pts	9 <sup>th</sup> ..... 7 pts
2 <sup>nd</sup> ..... 20 pts	10 <sup>th</sup> ..... 6 pts
3 <sup>rd</sup> ..... 16 pts	11 <sup>th</sup> ..... 5 pts
4 <sup>th</sup> ..... 13 pts	12 <sup>th</sup> ..... 4 pts
5 <sup>th</sup> ..... 11 pts	13 <sup>th</sup> ..... 3 pts
6 <sup>th</sup> ..... 10 pts	14 <sup>th</sup> ..... 2 pts
7 <sup>th</sup> ..... 9 pts	15 <sup>th</sup> ..... 1 pt
8 <sup>th</sup> ..... 8 pts	





# MICHELIN POWER

## OVER 30 WORLD TITLES

### SINCE 1973



MFP: Michelin, Place des Carmes Déchaux, 63 040 Clermont-Fd, 855 20 0507 R. S. |umont-Fd, Photo Lukasz Swiderek 2020



**MICHELIN POWER**  
The winning tire range with over 450 wins and 31 Premier Class world titles (MotoGP™/500cc) in the past 47 years.



From left to right, MICHELIN Power Slick (MotoGP™ winner), MICHELIN Power Cup2, MICHELIN Power GP, MICHELIN Power5.