

Self-Propelled Sprayer

STRONGER HD



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be strong, be **KUHN**





STRONGER HD

3200

4000

THE BEST TECHNOLOGY FOR THE BEST PERFORMANCE

IMPROVE YOUR PRODUCTIVITY WITH MAXIMUM PRECISION

Crop protection interventions must be carried out in the best climatic conditions - relative humidity, temperature and wind speed - to ensure maximum efficiency.

The sprayer should also be used at the most appropriate stage of the crop, in order to favor its development. Designed for intensive use, the self-propelled sprayer STRONGER HD provides efficiency and speed at the time of intervention.

A MACHINE FOR ALL NEEDS

With the option of a 4,000 liters tank, combined with spray booms ranging from 30, 36 , 40, 45 and 50 meters, you will find the right combination for your operation. Available with the latest precision spraying technologies, the STRONGER HD self-propelled sprayer will meet your needs.

QUALITY IS YOUR MASTER WORD

The precision of the self-propelled sprayer STRONGER HD allows you to protect your crops in a long-lasting and perennial way. With a high-quality finish, the STRONGER HD self-propelled sprayer provides all the equipment you need.

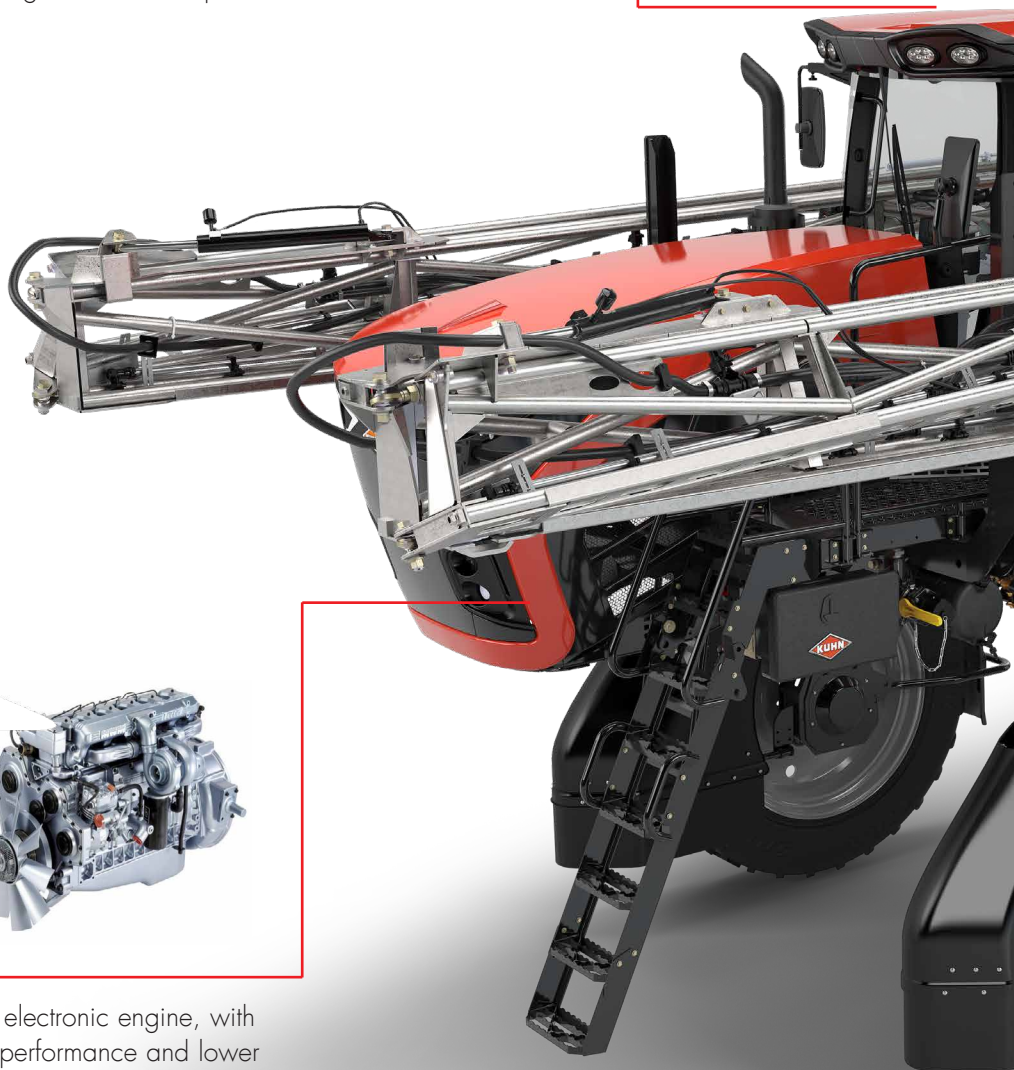
NEW SET GFX-750 AND NAV-900

The 10.1-inch GFX-750 display features the intuitive Precision-IQ environment, in addition, it can transfer files between the vehicle and the office quickly and easily, with built-in Wi-Fi and Bluetooth. Accompanies the GNSS receiver NAV-900, which allows greater signal stability. It monitors more constellations and a larger number of satellites, enabling more efficient performance in difficult environments.



CUMMINS ENGINE

Equipped with a 275 hp Cummins electronic engine, with turbo intercooler to guarantee high performance and lower diesel consumption, in addition to lower maintenance costs throughout its useful life. It has a diesel boost system: a power reserve that comes into effect immediately in the event of overloads, causing the engine to react quickly.



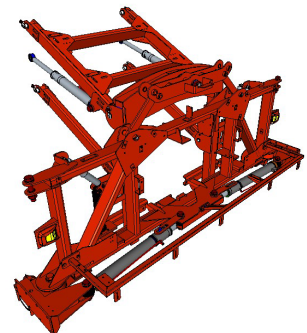
STAINLESS STEEL TANK

With 4,000 liters tank. The durability of stainless steel is much greater when compared to other materials. Stainless steel is extremely resistant to corrosion and oxidation, ensuring that contact with chemicals does not damage it. The stainless steel tank allows for much faster and easier cleaning, a relevant factor when the producer exchanges products and mixtures.



KUHN EQUILIBRA

The EQUILIBRA suspension system provides the best damping and stability of the boom, ensuring uniformity in the application. Accurately calibrated accumulators reduce the impact on the boom. Its pendulum system in a single point prevents the boom from oscillating according to soil irregularities.



INTELLIGENT ELECTRONIC TRANSMISSION

Equipped with intelligent 4x4 hydrostatic transmission. All components are electronically controlled. At all times the electronic system controls and manages the traction and skating of each wheel. With this information the diesel engine automatically regulates itself, allowing you to always work in the best rotational speed, gaining in fuel economy and machine performance even in the most difficult terrain.





TECHNOLOGY THAT GENERATES RESULT

EXCELLENT NIGHT VISIBILITY FIT YOUR NEEDS

To allow interventions at times when conditions are ideal (low temperature, high humidity), night work may be possible.

The state-of-the-art LED headlights on the front of the machine and the blue - bleubeam headlights on the boom provide excellent visibility and greater safety for night work

It fits to the needs of the crops, the width of the wheel track can be pre-selected electronically inside the cabin ranging from 2.80 to 3.50 meters, in addition, the height adjustment of the boom allows you to carry out applications from 0, 60 to 2.70 meters.

PNEUMATIC ACTIVE SUSPENSION

The pneumatic active suspension system significantly helps in improving the performance of the equipment on undulating terrain, allowing better tire adhesion to the ground and avoiding shock transfer to the chassis.

Blue light - bluebeam



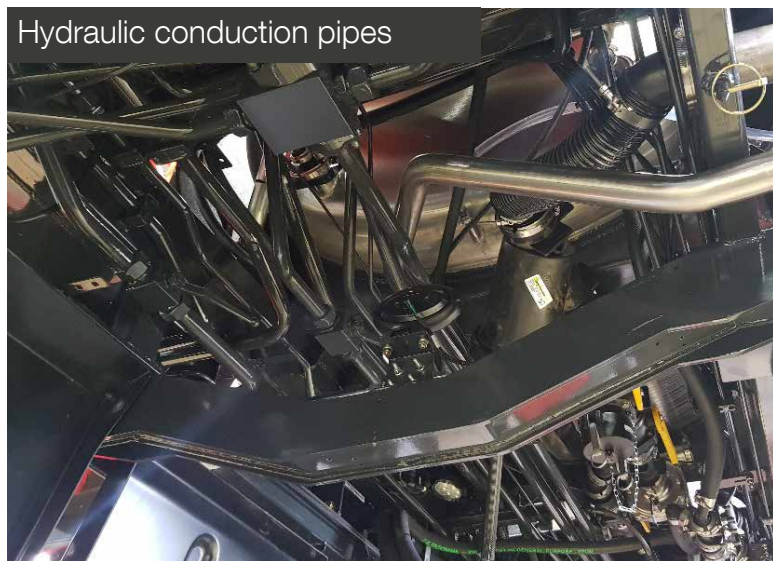
Led lights



Pneumatic active suspension



Hydraulic conduction pipes



Robust structure



Ground Clearance



HYDRAULIC CONDUCTION PIPES

Os tubos são de aço carbono, zincados, pintados de preto que facilitam a limpeza e melhoram o arrefecimento.

Diminuem a perda de carga no sistema, em função do menor atrito e das curvas das tubulações.

Proporcionando maior facilidade de manutenção.

ROBUST STRUCTURE

Hydraulic hoses pass outside the legs, making maintenance easier. The protection of the hoses and electrical connections help to prevent damage. The STRONGER HD account reinforces double side between the leg and the chassis. The lower protection of the machine creates a smooth surface, allowing smooth flow during use.

1.80 METERS GROUND CLEARANCE

The ground clearance of the STRONGER HD of 1.80 meters, allows applications of corn in more advanced stages, which is essential to extract the maximum productivity of this culture.



CHEMICAL EDUCTOR AND ACCESS LADDER WITH HYDRAULIC ACTIVATION

Seeking agility, the front ladder and the chemical eductor have a combined hydraulic drive.

The ladder with electro-hydraulic drive automatic has non-slip steps.

Automatic activation is performed when the joystick is in the neutral position for more than 3 seconds.

PROFILE OF CHEMICAL EDUCTOR

The STRONGER HD chemical eductor sets a new benchmark in terms of safety. With its funnel design it allows an efficient integration of all types of products, liquids, powders or granules and in a very short time.

The chemical eductor is sealed with a rotating cleaner. Rinsing is done efficiently, without splashing to the operator for greater safety.





CABIN

- Excellent sound insulation
- Easy access with a hydraulic ladder
- Mirrors with optimal viewing
- Activated carbon air filter
- Comfortable seat with air cushion and various adjustment possibilities
- Spacious and comfortable seating for the instructor
- Adjustable steering column
- Bluetooth radio
- Heating and cooling system
- Equipment's provide optimum ergonomics
- Wide area of visibility
- Pressurizing system and double-sealed door ensure greater protection
- Document and cell phone compartments



KUHN PARTS

DESIGNED AND MANUFACTURED TO RIVAL TIME

KUHN foundries and forge as well as a high-level manufacturing process allow the production of spare parts to defy time. You can truly rely on our know-how and our genuine parts. Farmers benefit from our client support and logistics services via any KUHN PARTS warehouse, which provide quick and reliable repair solutions in cooperation with your nearest authorized KUHN dealer.





GREAT WEIGHT DISTRIBUTION

Uniform weight transfer to the front and rear wheels is an ideal precondition for efficient traction.

With a full tank, it presents an ideal weight distribution of approximately 50% - 50% for each front and rear axle. Depending on the level of the tank and the type of bar, the weight distribution varies only by about 5%.





SPRAYING PUMP

The centrifugal pump has several advantages: the syrup is discharged into the spray line at a uniform pressure, without pulsations; the spray line can be partially or completely closed without damage to the pump; there are no valves involved in the pumping operation; lower maintenance costs than other types of pumps; quiet operation.

The centrifugal pump has the following characteristics: stainless steel housing; maximum flow: 800 l / min; maximum pressure: 9 bar; mechanical seal: silicon carbide.



FRONT REFILLING SYSTEM

The frontal refilling system offers better accessibility and ease of refilling the spray tank, in addition to spending less time to return to work thanks to the 1100 l/minute capacity pump

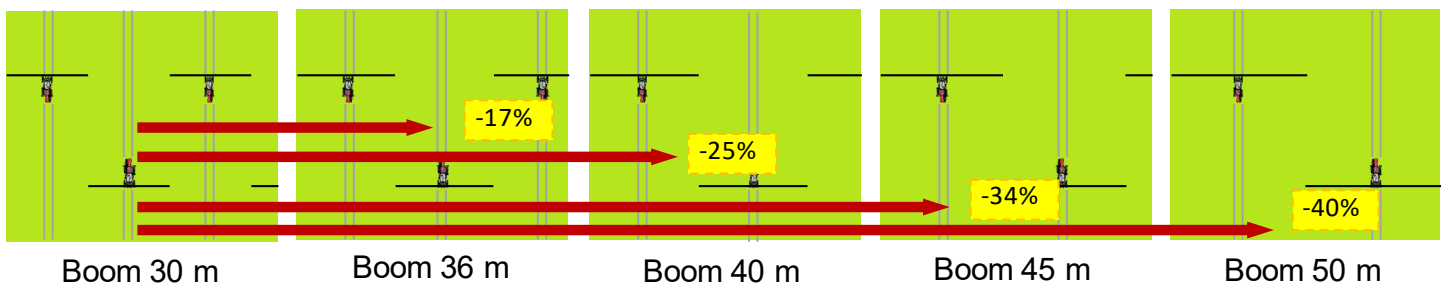


THE POWER OF ALUMINUM

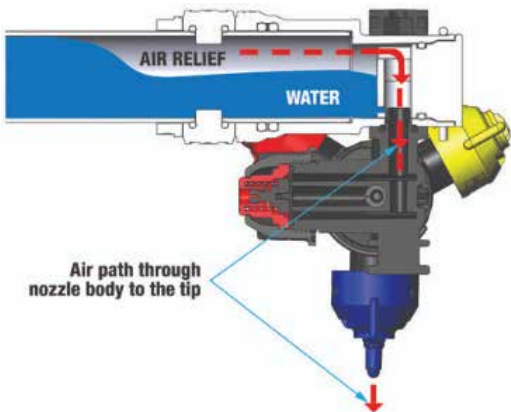
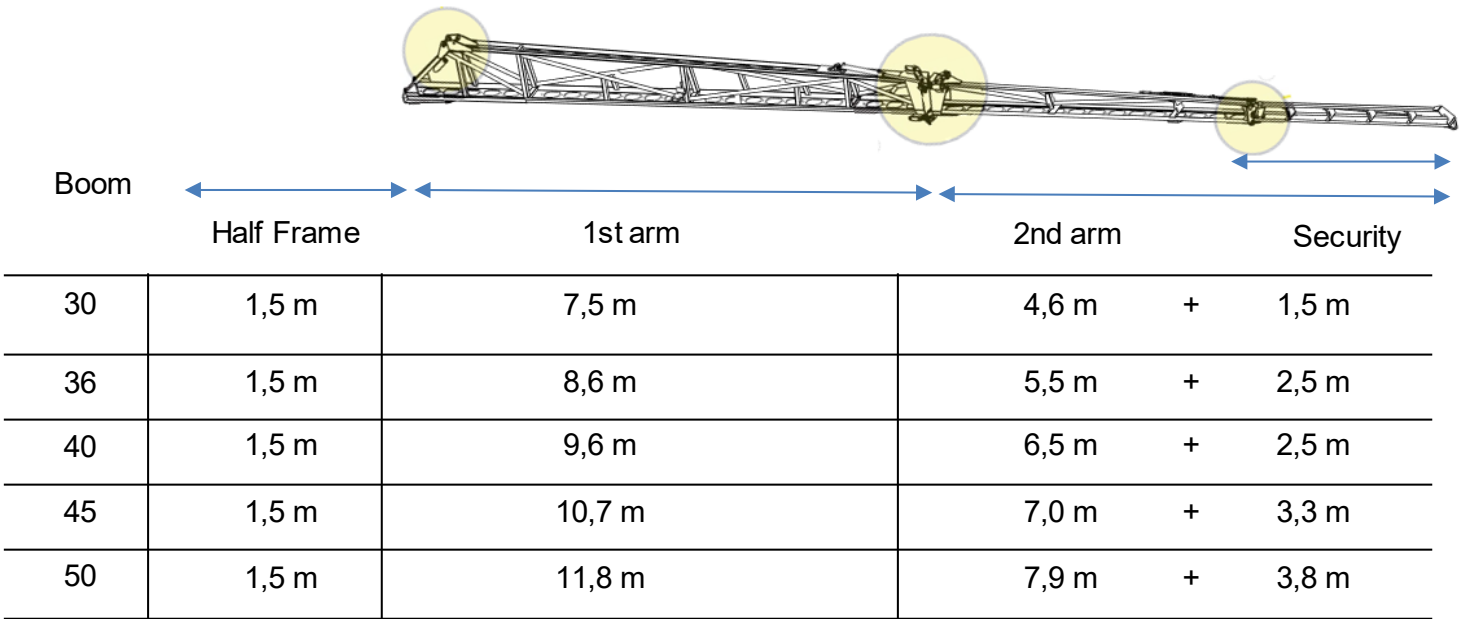
BOOM

The STRONGER HD has two material options for the bars: 30 meters, made of steel; 36 and 40 meters, made of structural aluminum; 45 and 50 meters, made of carbon fiber. Aluminum and carbon fiber are able to provide high durability and weight reduction, which is very important for less soil compaction and lower fuel consumption, resulting in increased operational yield and productivity of your crops.

SAVE AND AVOID LOSSES WITH LESS KNEADING OF PLANTS



SIZE OF HALF BOOM SECTIONS AVAILABLE FOR STRONGER HD



SPEED, EFFICIENCY, ECONOMY

The END CAP system increases the speed of opening and closing sections by up to 85%. With this, the automatic section control system is much more efficient, generating savings in defensives and quality in applications.



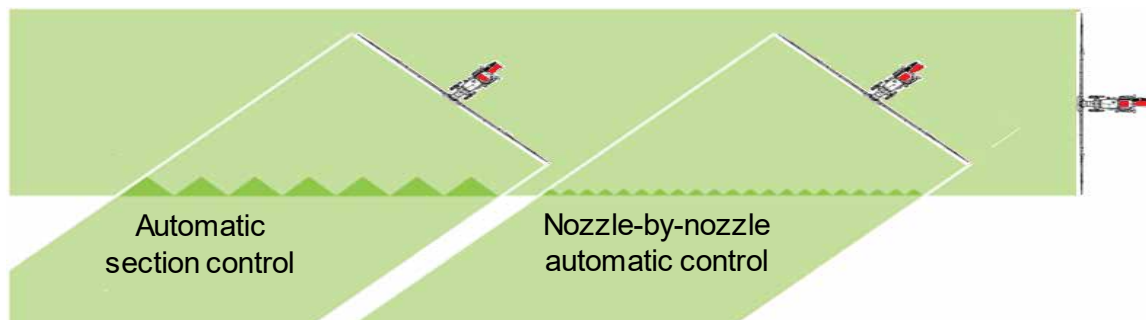
VARIOUS OPTIONS TO MAKE YOUR JOB EASIER

MULTISPRAY

Nozzle-to-nozzle control: auto shut off by GPS

Advantages:

- The section of 50 cm for more precision
- Chemical saving: instead of sections, manage each nozzle for less recovering



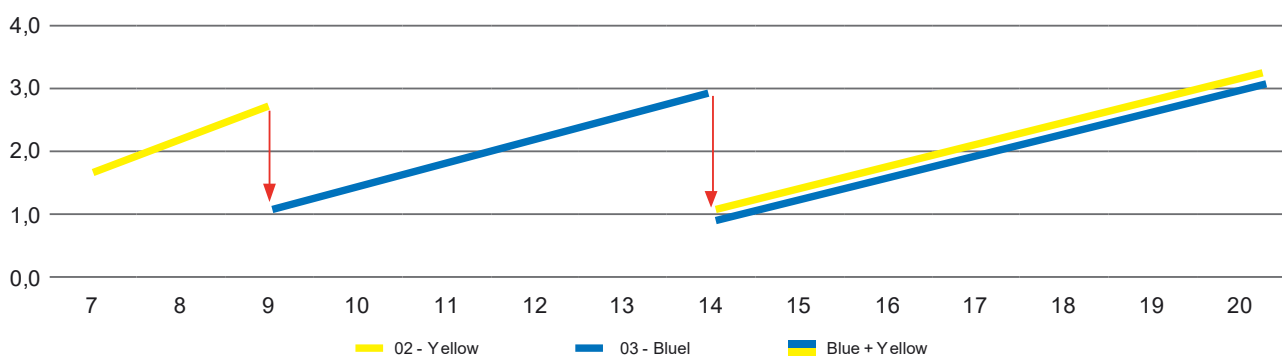
MULTISPRAY DUO

In today's sprayers, the more the working speed increases, the more the pressure increases. If the nozzle is not changed, it is the size of the drop that changes and therefore the risk of drift may also increase. The Multispray Duo system has a 2 + 2 rotating nozzle holder, which can be manually rotated to select the most suitable pair of nozzles for the treatment. , as the speed increases, the nozzle is automatically changed to ensure the best spray quality.

The size of the drop generated by the nozzles is the most important point to ensure good spray quality. To maintain an ideal drop size, the Multispray Duo system chooses the most suitable nozzle combination for speed and dosing conditions



Pressure change from 7 to 20 km / h with MULTISPRAY
100 l / ha - yellow and blue nozzles



KUHN TELEMETRIA - INFORMATION FOR YOUR DECISION

KUHN Telemetry is a Digital Agriculture tool that assists in making decisions to optimize performance and extend the life of your machines. The information can be accessed by smartphone or computer, and everything is shown in an intuitive and simple way.



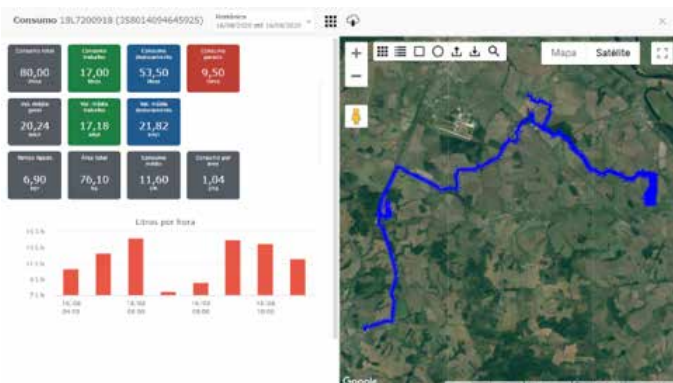
Map - machine monitoring

BEST OPERATING INCOME

Diagnosing important failures in a timely manner, through machine alert reports, both on the website and in the application, will allow you to take actions to reduce downtime and possible equipment damage.

CUSTOMIZED REPORTS

Operational reports, detailing the amount of product applied, diesel consumption, working speed, engine time, in short, various information that will help them to reduce costs, manage the fleet and optimize their productivity.



SPRAYING ADJUSTMENTS

With the available maps, it is possible to improve the quality of your applications, through the analysis of the maps and the reports available.





Especificações técnicas

STRONGER 4000 HD

Engine	
Manufacturer / Model	MWM / 6.12 TCE
Engine power	275 hp @ 2500 rpm
Drivetrain	
Type	Hydrostatic 4x4 with electronic traction control
Spraying system	
Solution tank capacity (L)	4000
Rinse tank capacity (L)	400
Solution agitator	4 hydraulic agitator
Chemical eductor (L)	30
Spray Pump (L/min)	Centrifugal pump
Refilling pump (L/min)	1100
Spray boom	
Boom width (m)	30 (steel); 36, 40 (aluminum); 45 and 50 (carbono fiber)
Number of sections	9
Nozzle holder	Trijet
Nozzle spacing (cm)	50
Boom height adjustment (m)	0,60 à 2,70
Chassi	
Tires	IF 380/90 R46
Suspension	Active Pneumatic
Ground clearance (m)	1,80
Wheel track adjustment (m)	2,80 à 3,50 – hydraulics
Precision Agriculture	
GPS and electronic spraying controller	◆
Section control	◆
Hydraulic autopilot	◆
Display	GFX-750
Kuhn Telemetria	◇
Multispray - automatic nozzle by nozzle	◇
Multispray Duo - automatic nozzle by nozzle + double nozzle	◇

*Option ◇

*Standard ◆

For more information on KUHN products visit:

www.kuhnbrasil.com.br



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KUHN dealer

KUHN MONTANA INDÚSTRIA DE MÁQUINAS S.A.

Francisco Dal Negro St., 3400 - São José dos Pinhais - PR

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