



agroNave 7

Guia Rápido

Quick Guide
Guía Rápida
Guida Veloce

NAVEGAÇÃO COM GUIA VIRTUAL E TERMINAL ISOBUS

NAVIGATION WITH VIRTUAL GUIDE AND ISOBUS TERMINAL | NAVIGACIÓN CON GUÍA VIRTUAL Y TERMINAL ISOBUS | NAVIGAZIONE CON GUIDA VIRTUALE E TERMINALE ISOBUS

PT

EN

INSTRUÇÕES DE SEGURANÇA

Neste guia rápido, será apresentado as principais instruções e recomendações de segurança para a utilização do agroNave.

Sempre siga as instruções que acompanham os alertas, avisos ou informações, conforme exemplos descritivos apresentados a seguir. Estas instruções visam minimizar os riscos de ferimentos e de danos materiais.

RECOMENDAÇÕES DE USO

A seguir são descritas as instruções recomendadas para uma utilização segura do agroNave, informando ao operador os principais riscos de sua utilização indevida.



Alerta: Informa ao operador uma situação importante de segurança em relação à utilização do agroNave, que se não evitada, pode resultar em sérios danos à saúde e ao equipamento.



Aviso: Informa ao operador uma situação importante em relação à utilização do agroNave que se não evitada, pode resultar em danos ao equipamento.



Informação: Utilizado para apresentar ao operador informações pertinentes à leitura do manual, tais como links entre os tópicos e tipos de telas. Deve ser lido.



O agroNave deve ser utilizado somente em máquinas agrícolas, tais como tratores e autopropelidos.



O agroNave não deve ser operado sem o conhecimento do seu correto funcionamento. O operador deve respeitar as regulamentações do país, e possuir conhecimento sobre a operação e a configuração de máquinas agrícolas.



O agroNave foi desenvolvido para utilização exclusiva em atividades agrícolas. Para evitar a perda de controle do veículo e prevenir acidentes, desative o agroNave antes de adentrar em via pública.



Não utilizar o sistema durante tempestades com trovoadas. Existe grande risco de descargas elétricas atingirem o sistema, com possíveis danos às pessoas e ao equipamento.



Estas informações de segurança se aplicam aos equipamentos Agres e não substituem outras práticas habituais de trabalho seguro.



Certifique-se de que o maquinário está desligado enquanto estiver conectando os componentes do agroNave.



Ativar o agroNave em altas velocidades pode causar perda de controle e acidentes graves.



A conexão indevida dos cabos de alimentação do agroNave pode causar ferimentos graves e danos ao equipamento.



A precisão do agroNave depende da disponibilidade e do tipo de sinal GNSS



O agroNave auxilia na orientação durante as operações, porém o operador deve permanecer no comando, estar alerta e ter total controle do maquinário durante todo o tempo.



O conector USB lateral, é utilizado para baixar e carregar arquivos pelo pendrive. **NÃO UTILIZE** para conectar outros equipamentos, como celulares, lanternas entre outros, pois existe o risco de danificar o monitor.

Não são recomendadas as seguintes ações por parte do operador:

- Utilizar o equipamento fora das recomendações estipuladas neste documento;
- Utilizar o equipamento em conjunto com acessórios de outros fabricantes;
- Abrir ou desmontar partes do equipamento, exceto se autorizado expressamente pelas equipes de Suporte e Assistência Técnica;
- Modificar os componentes do agroNave, tais como chicotes e seus conectores;
- Utilizar o equipamento com defeitos ou avarias de funcionamento.

LIMPEZA E CONSERVAÇÃO

O usuário deve seguir as instruções de limpeza e conservação do agroNave, para garantir a sua integridade e confiabilidade pelo maior tempo possível.



Não utilizar produtos abrasivos para limpeza. Produtos com amônia podem causar danos irreversíveis.



Não toque na tela utilizando itens afiados e pontiagudos, tais como lápis. A superfície da tela pode ser danificada.



Para limpar a tela, umedeça um pano limpo e macio, sem fiapos, apenas com água. Para limpar manchas difíceis de remover, você pode umedecer o pano com uma solução de álcool isopropílico a 70%.



Para limpeza dos outros componentes utilize um pano macio e seco, ou ligeiramente umedecido com água e sabão neutro.



Não lavar ou mergulhar os componentes do sistema em nenhum tipo de líquido. Podem ocorrer infiltrações e comprometer os circuitos eletrônicos, com risco de incêndio e sérios acidentes.



Mantenha todos os componentes do sistema limpos após sua utilização, aumentando assim, sua vida útil.

DESCARTE DE COMPONENTES

Em caso de inutilização de algum dos componentes do sistema, observar as seguintes recomendações de descarte:



Descartar o computador de bordo, antena, chicotes, e quaisquer outras partes do sistema de acordo com a regulamentação vigente no país.



O descarte realizado de forma incorreta, principalmente quando junto a resíduos domésticos, pode gerar sérios problemas, como liberação de gases venenosos em caso de queima das matérias-primas, além da contaminação do solo e da bacia hidrográfica.

Para saber mais sobre a logística reversa dos nossos equipamentos no Brasil, acesse www.agres.com.br/sji

COMPATIBILIDADE ISOBUS

O agroNave é capaz de trabalhar com qualquer tipo de implemento ISOBUS, independente de sua função ou de seu fabricante.



Verifique com a Revenda as licenças ISOBUS necessárias.

DECLARAÇÃO DE CONFORMIDADE

Este produto está homologado pela Anatel, de acordo com os procedimentos regulamentados para avaliação da conformidade de produtos para telecomunicações e atende aos requisitos técnicos aplicados.

Para maiores informações, consulte o site da Anatel www.anatel.gov.br

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.



ANATEL: 122672310787
157642314260

A Agres declara que o agroNave 7 está em conformidade com os requisitos:



FCC: 2BDDS-AGRONAVE7

Os textos completos das declarações de conformidade estão disponíveis no seguinte endereço da internet:
www.agres.com.br/agroNave



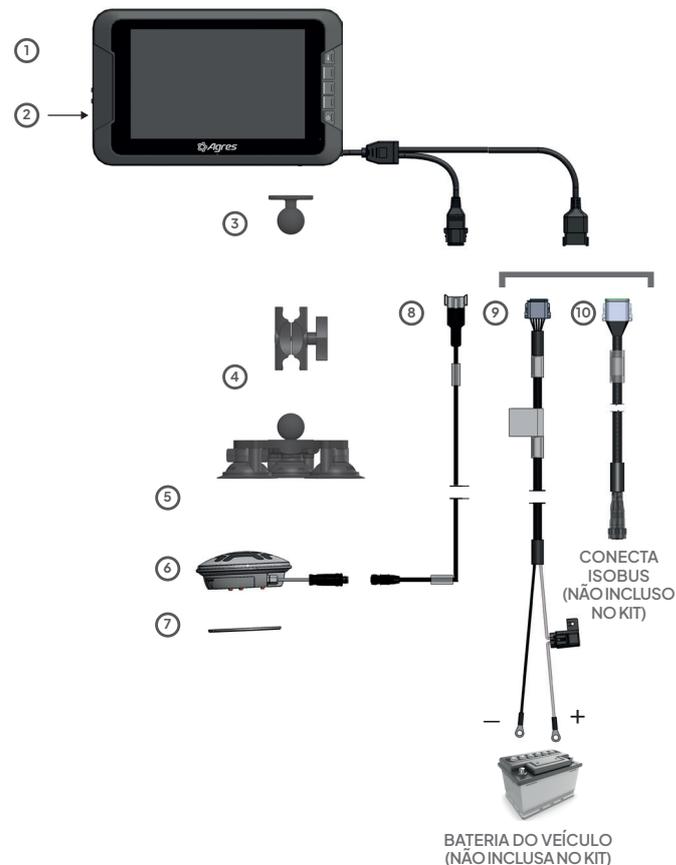
A versão mais recente deste documento pode ser acessada em www.agres.com.br/manuais



EXEMPLO DE COMPONENTES E DIAGRAMA DE CONEXÕES

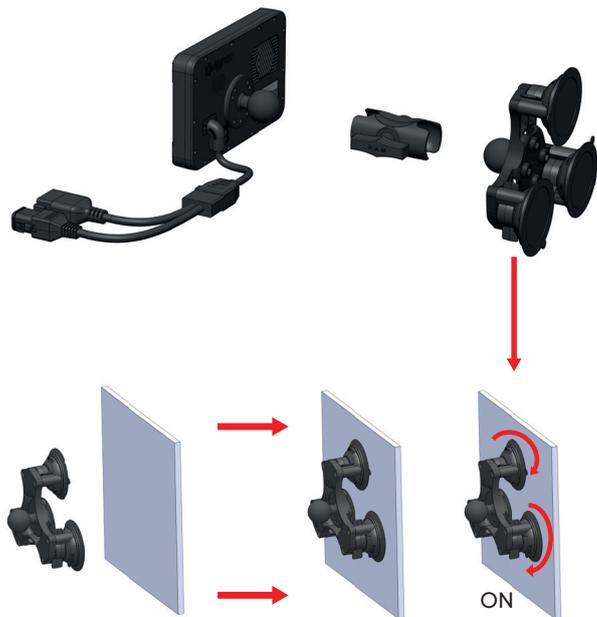
Os componentes do módulo agroNave são apresentados abaixo e a conexão é indicada ao lado:

- ① Computador de bordo 7"
- ② Entrada USB C
- ③ Base redonda de fixação
- ④ Braço articulado de fixação
- ⑤ Conjunto de ventosas de fixação
- ⑥ Antena Smart
- ⑦ Acessório para fixação da antena com adesivo dupla face
- ⑧ Cabo de antena
- ⑨ Cabo de conexão da bateria com porta-fusíveis
- ⑩ Kit cabo ISOBUS - opcional

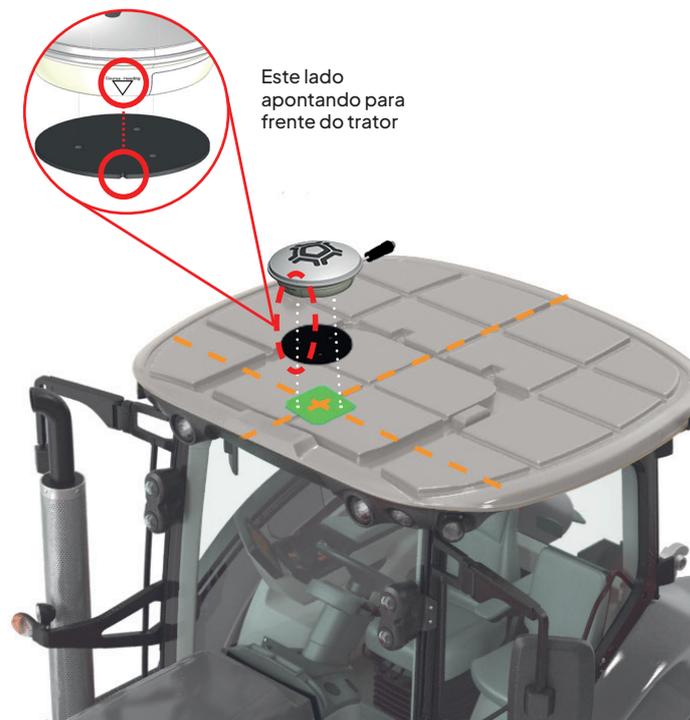


As opções de montagem podem variar de acordo com o maquinário, consulte a Revenda.

EXEMPLO DE FIXAÇÃO



MONTAGEM DA ANTENA



01 Ligar e desligar

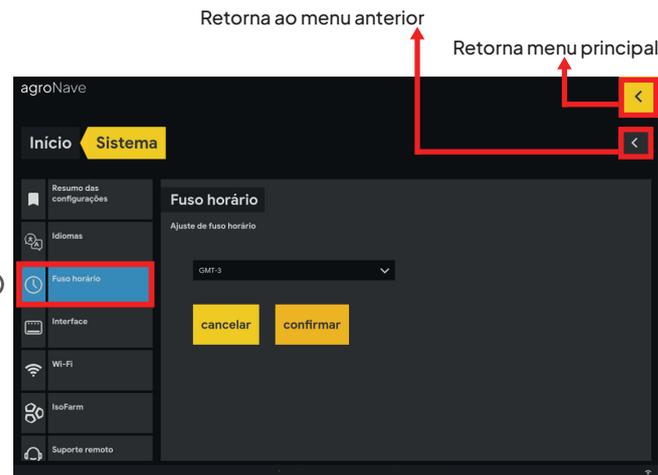
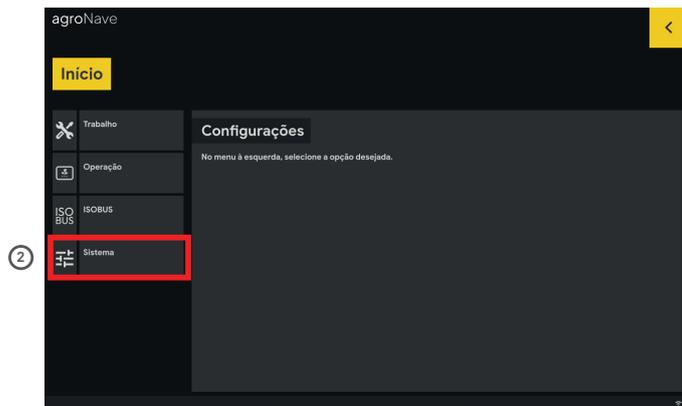
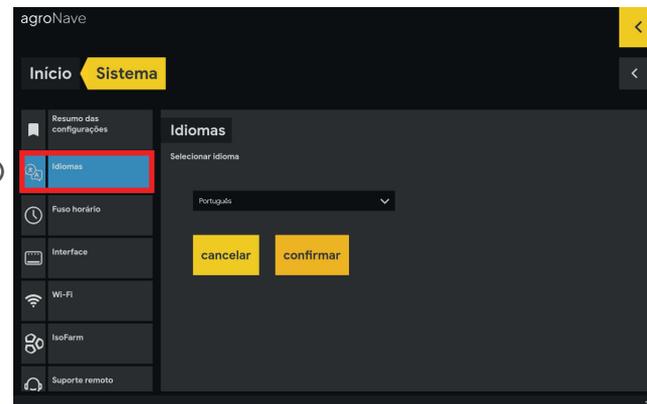
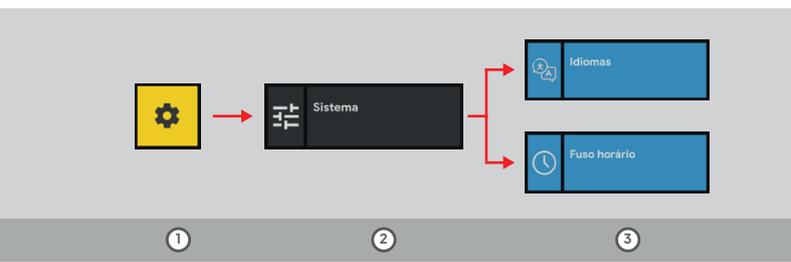


Pressione  até o LED acender

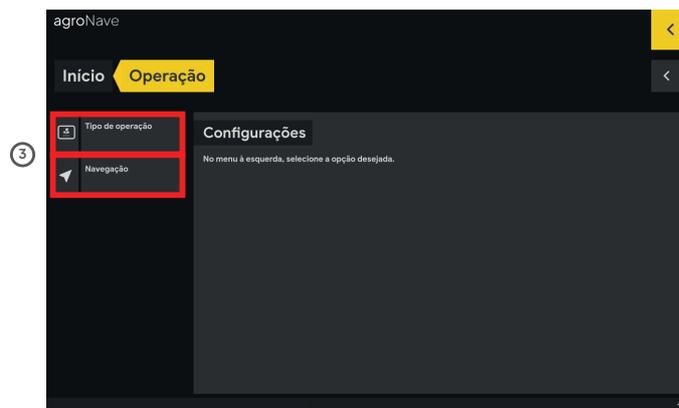
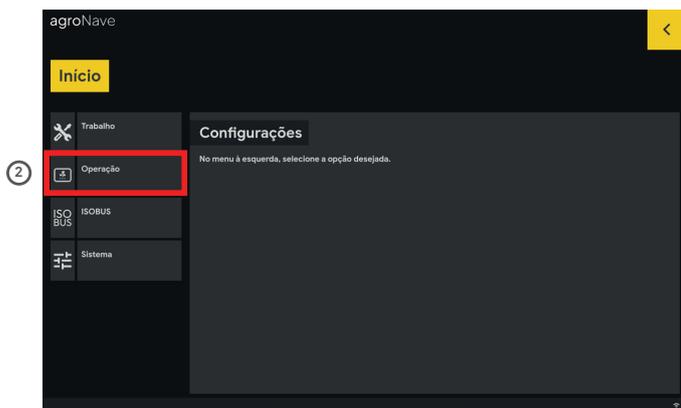
02 Tela inicial

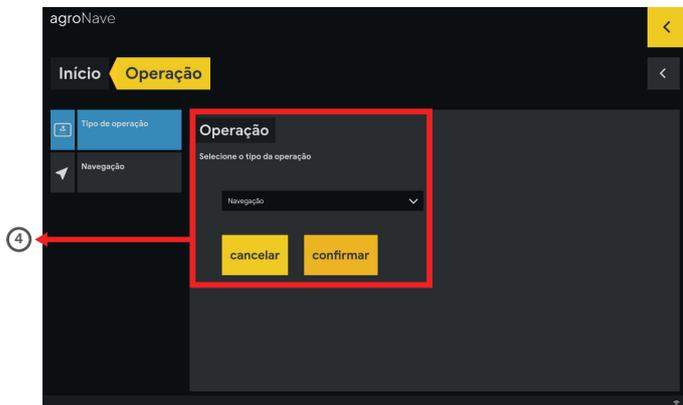


03 Seleção de idioma e fuso horário

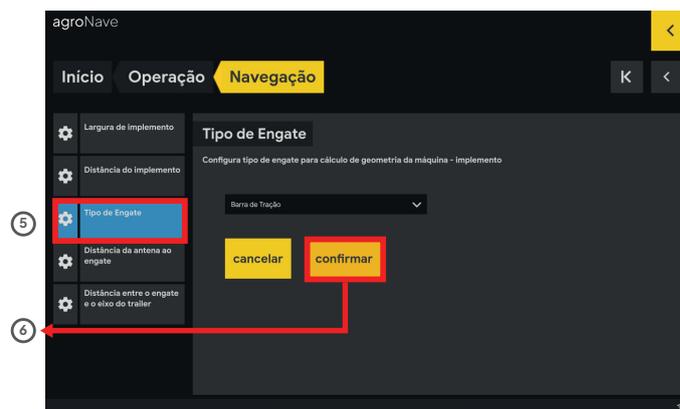


04 Tipo de Operação - Navegação

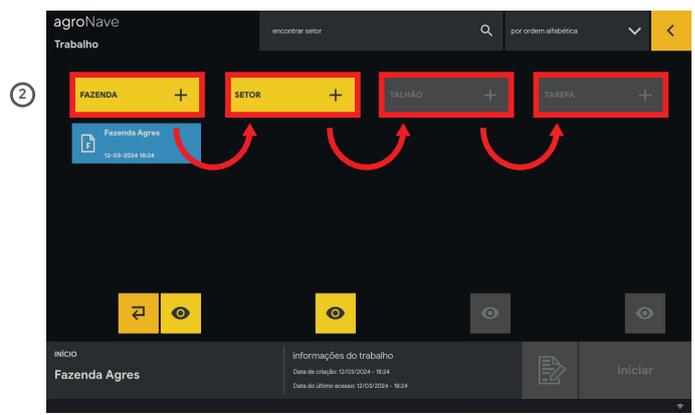
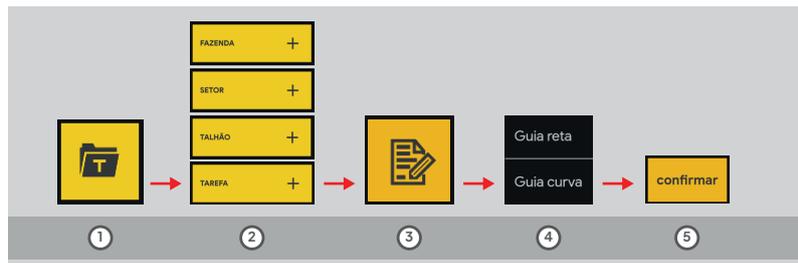




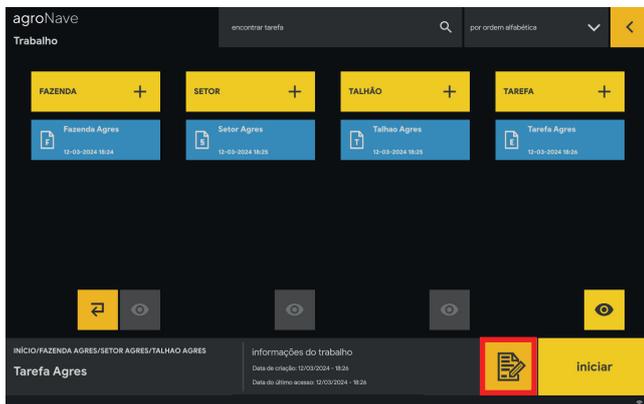
Retorna ao menu inicial de configuração



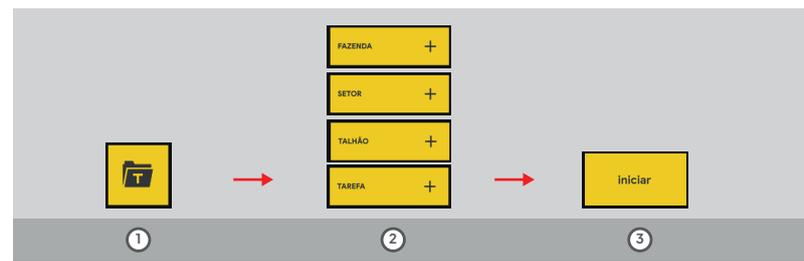
05 Informações de Relatório de tarefas



06 Iniciando uma tarefa



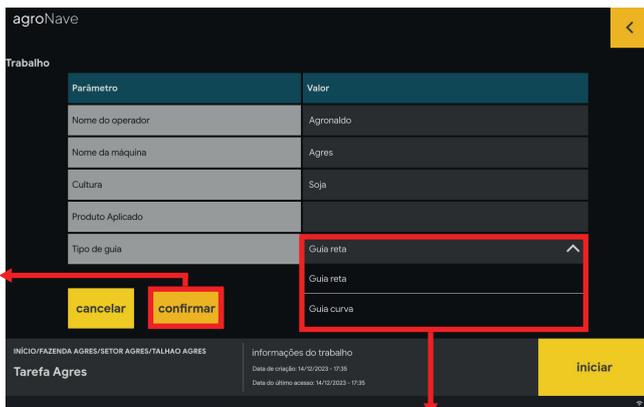
3



1

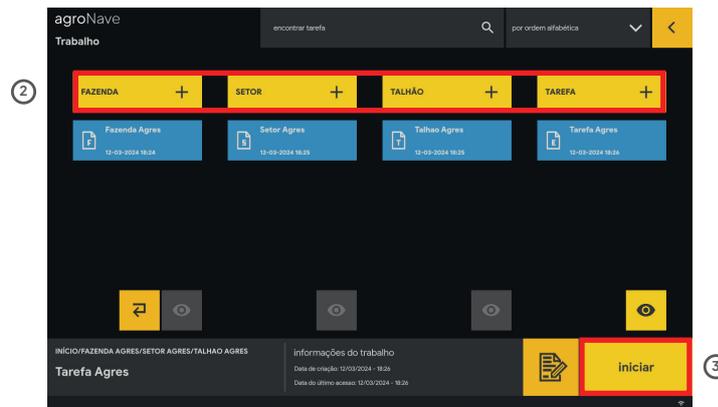
2

3



5

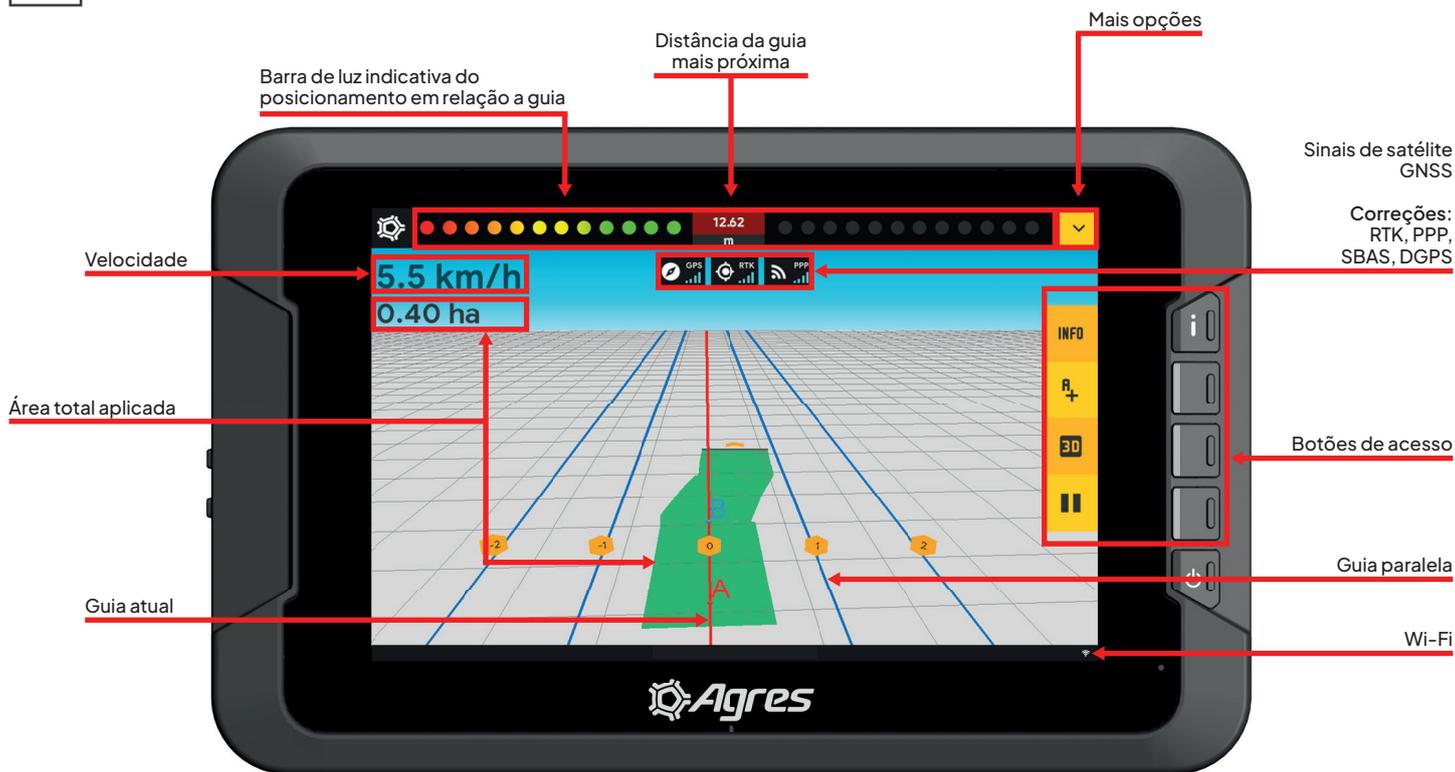
Selecione o tipo de guia 4



2

3

07 Navegação



08 Informações

1



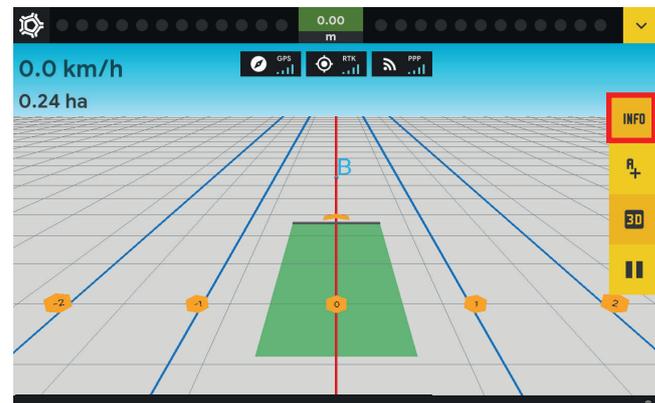
Informações	Talhão Sul	Operação Navegação
Dados da tarefa	Tarefa Pulverizar	Cultura Soja
1 de 4		

2

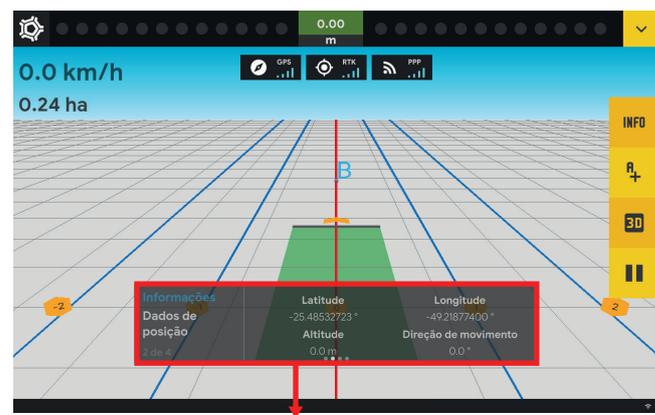
Informações	Latitude -25.48828600°	Longitude -49.21877400°
Dados de posição	Altitude 0,0 m	Direção de movimento 0,0°
2 de 4		

Informações	Sat. rastreados 32	Sat. usados 32
Dados de GPS	HDOP 0,2	Precisão do GPS 0,01 m
2 de 4		

Informações	Distância percorrida 0 m	Área aplicada N/A
Dados de limite	Área total N/A	Área restante N/A
4 de 4		

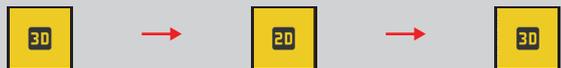


1



2

09 Alternar visão 2D/3D e Zoom



1

2

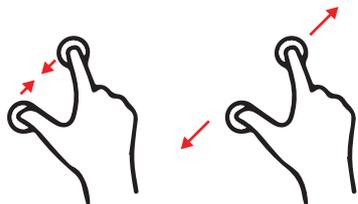
1



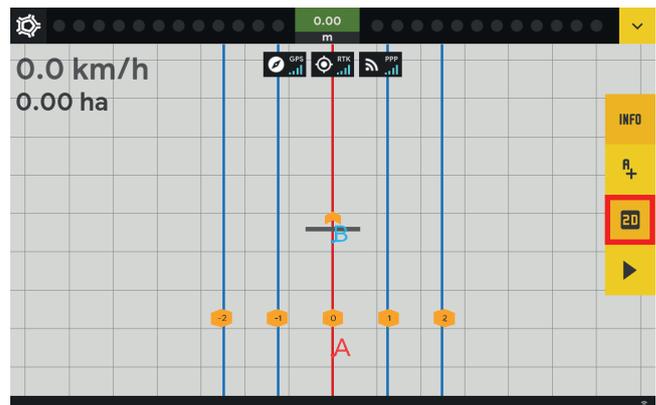
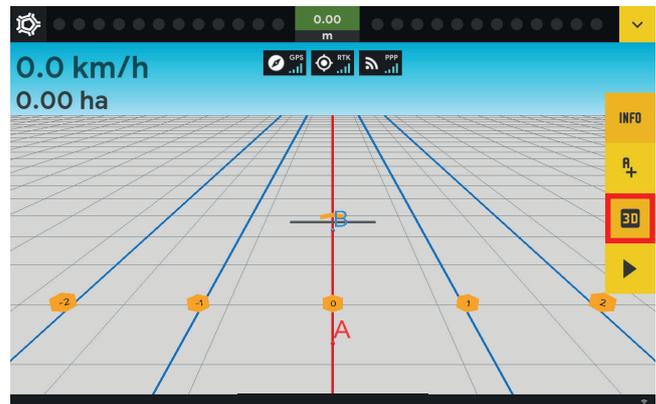
2

1

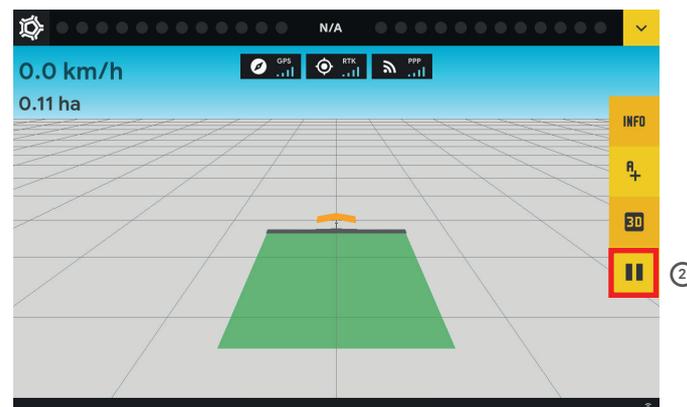
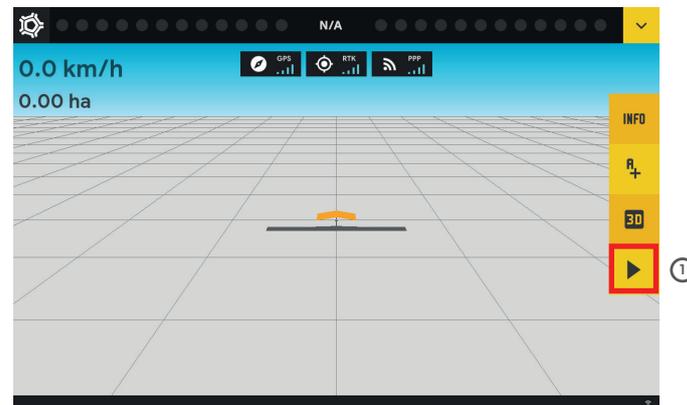
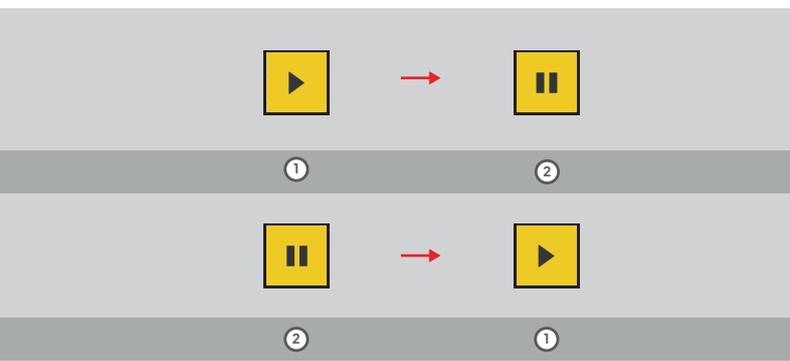
2



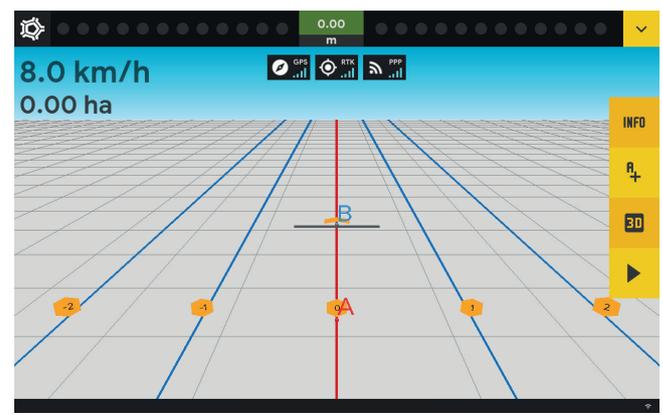
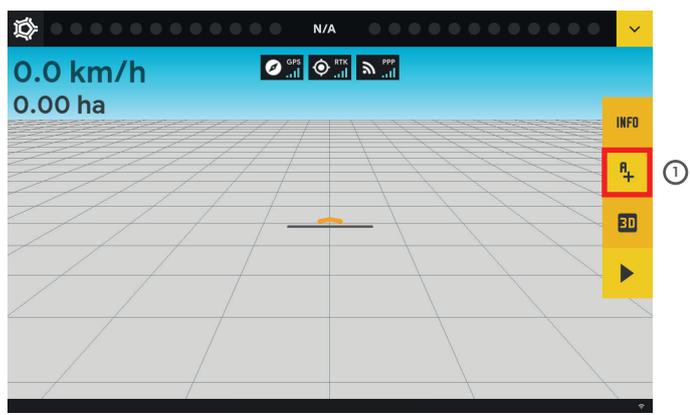
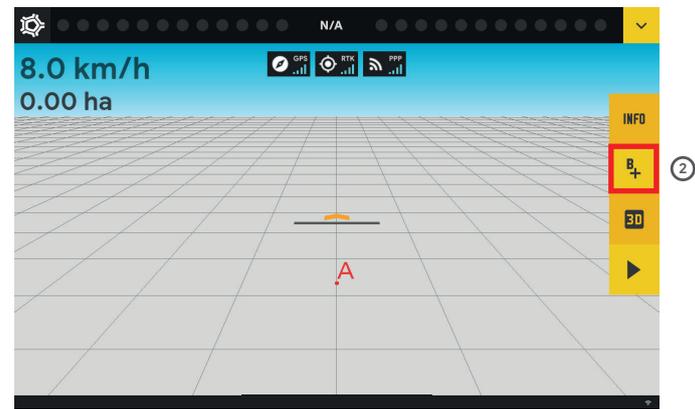
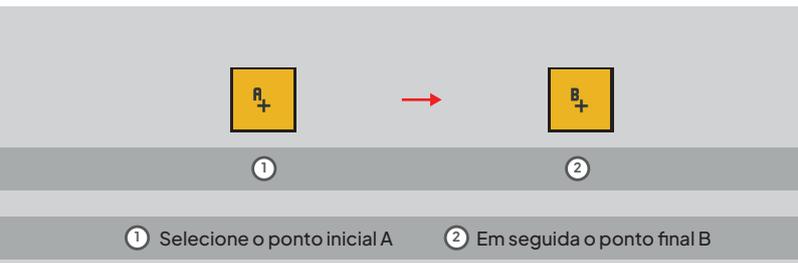
Zoom

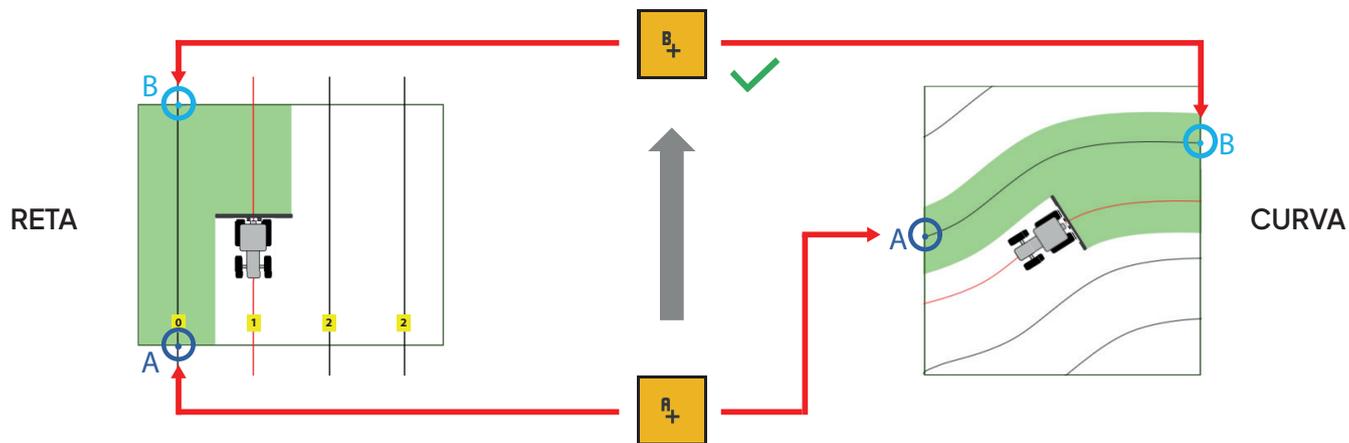


10 Liga/desliga rastro

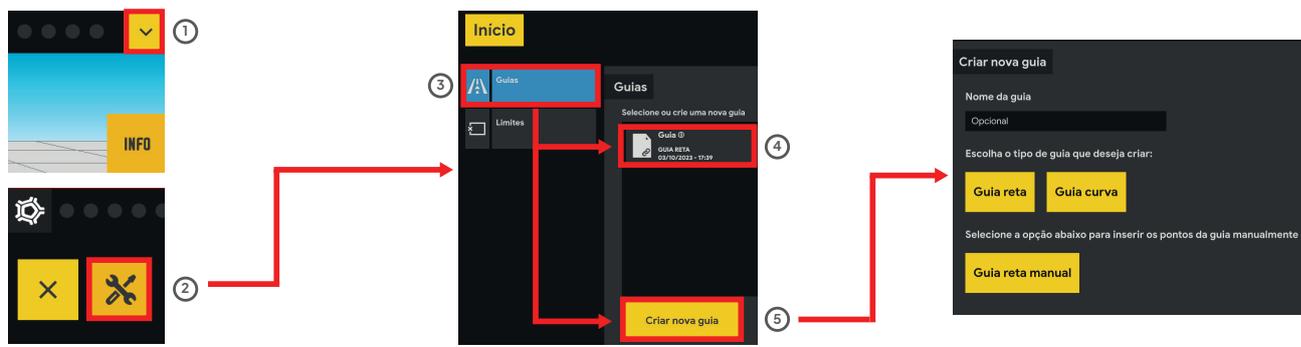


11 Criando guias

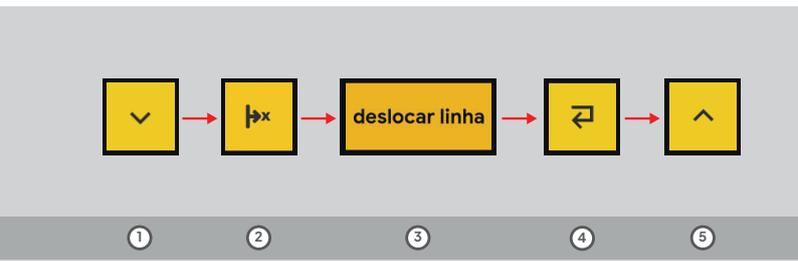




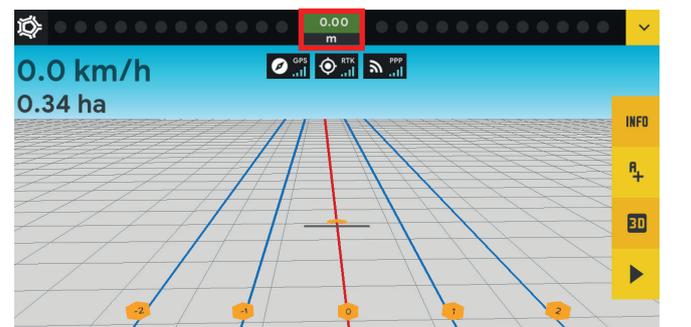
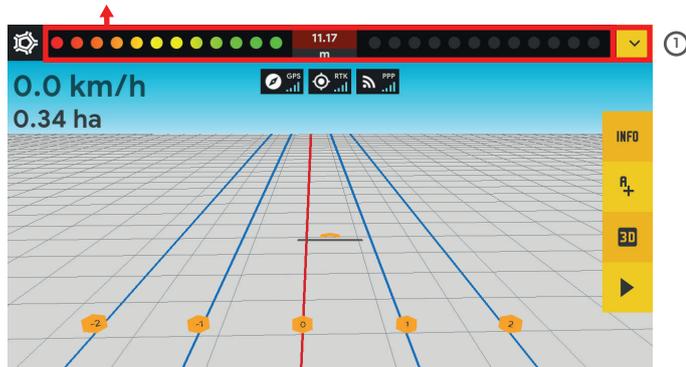
ALTERAR GUIA RETA/CURVA



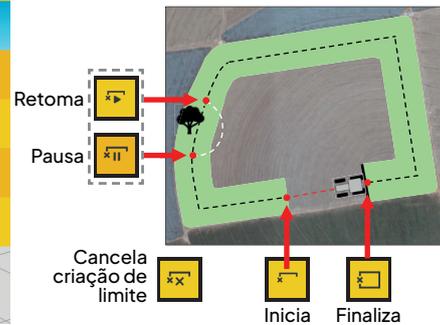
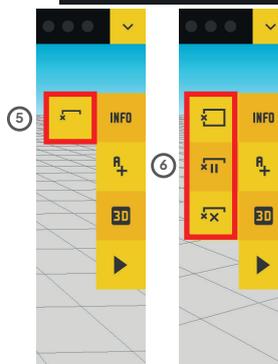
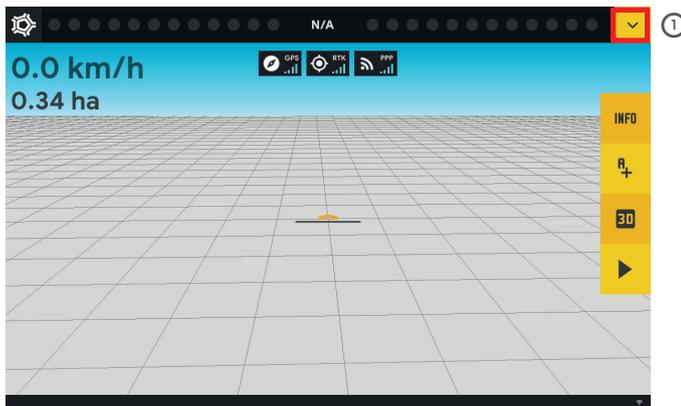
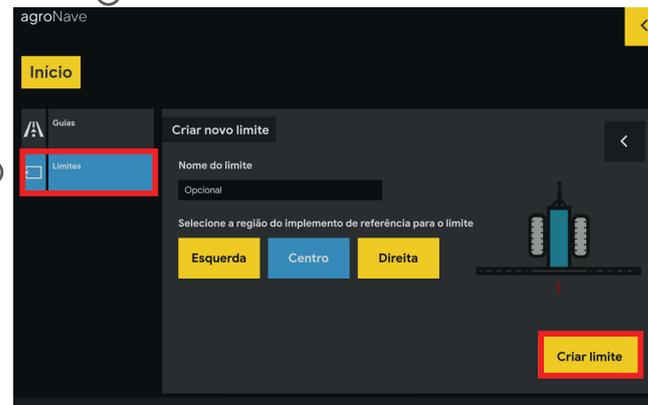
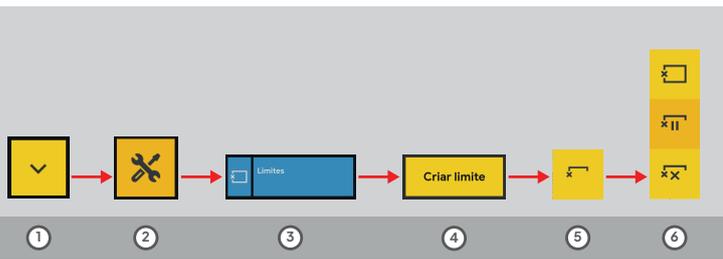
12 Deslocamento de guia



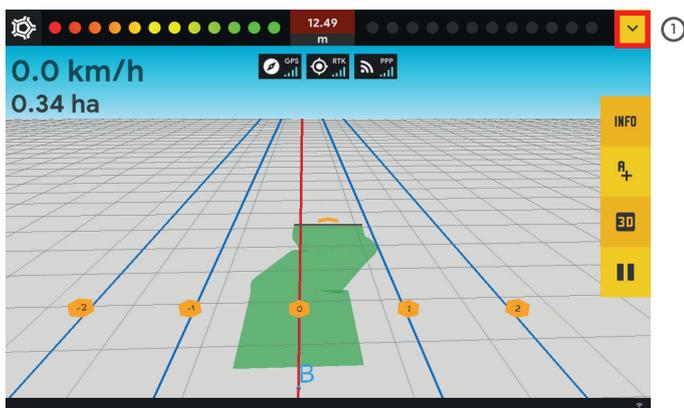
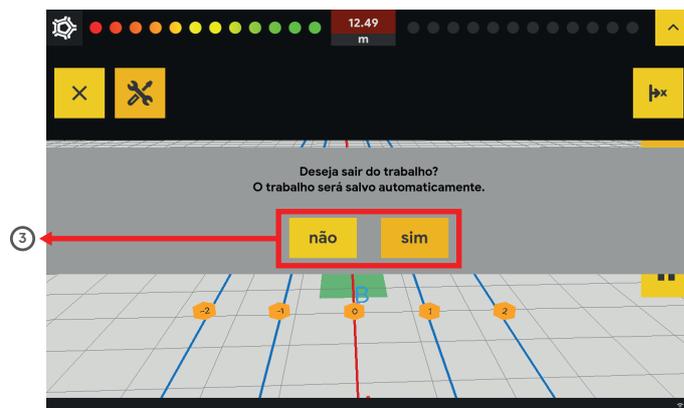
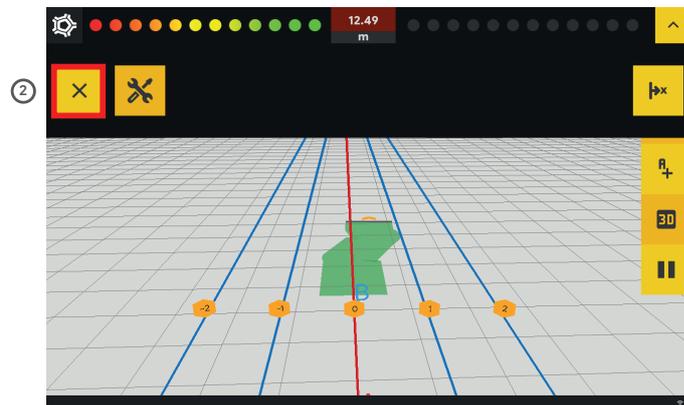
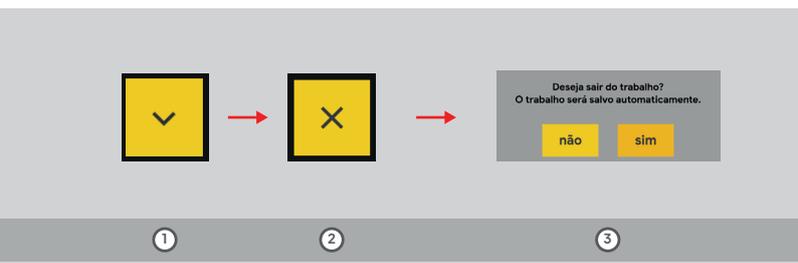
Indicação do deslocamento



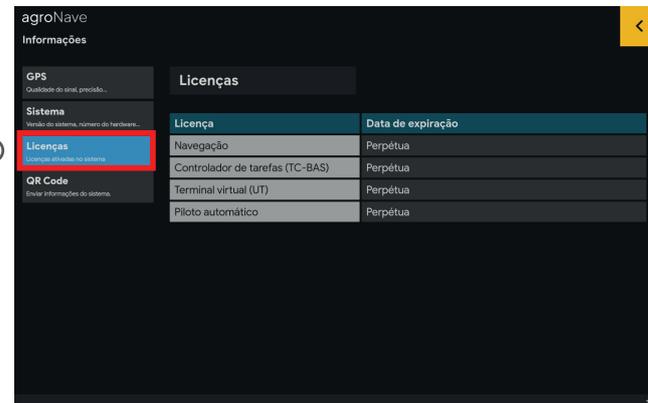
13 Criando limites



14 Salvando e encerrando a tarefa



15 Verificação de licenças

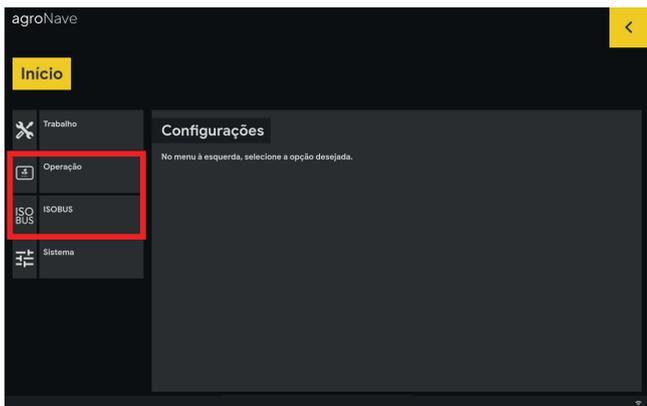


 Para utilizar e instalar alguns recursos, é necessário consultar se a respectiva licença de operação está disponível. No caso de dúvidas consulte a Revenda.

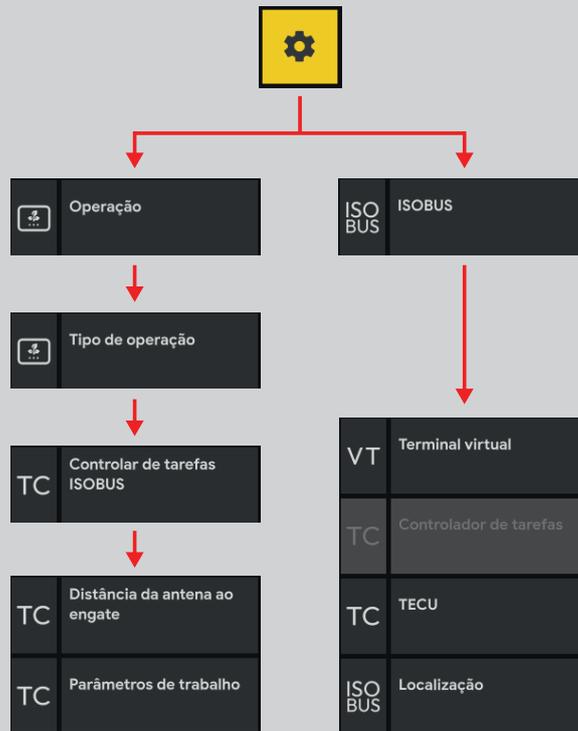
16 ISOBUS

CONFIGURAÇÕES

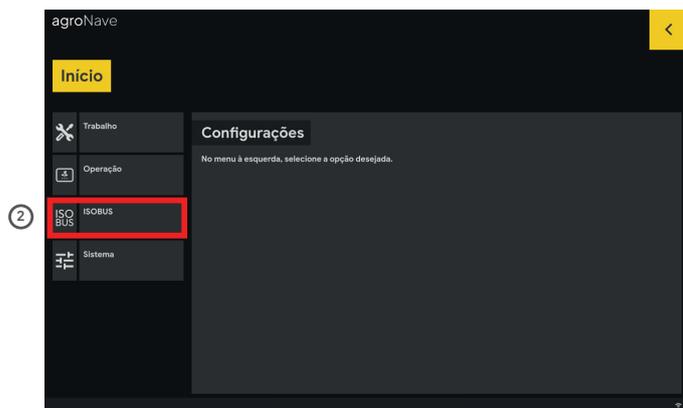
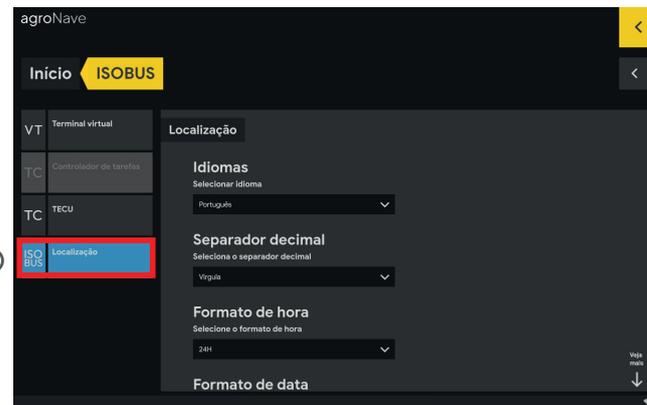
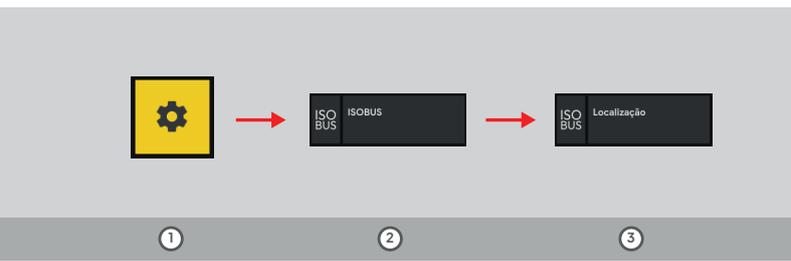
Interação entre agroNave e equipamentos ISOBUS conectados.



Somente disponível através de Licenças. As licenças do Terminal Virtual (VT) e do Controle de Tarefas (TC) devem estar instaladas.

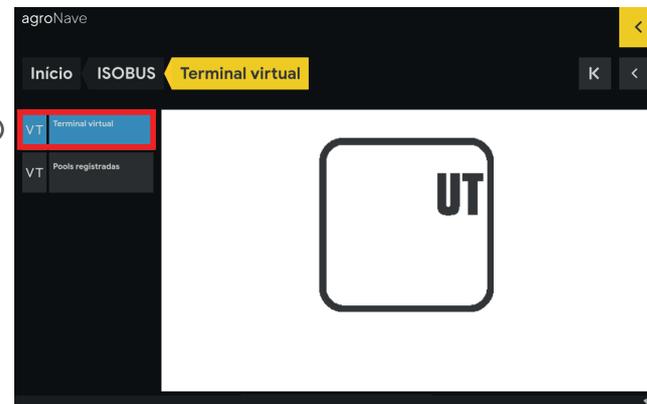
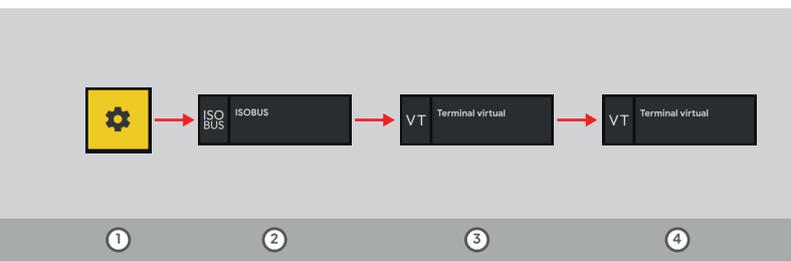


Configurando o Terminal Virtual (VT)

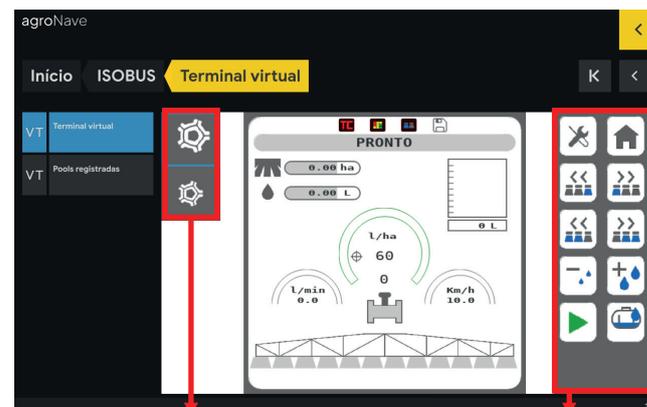
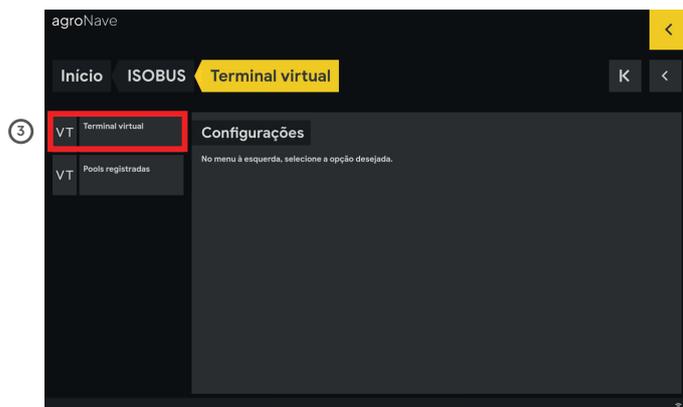


Acessando o Terminal Virtual - VT

Interface gráfica que permite verificar e acessar a configuração e a operação do Implemento.



Exemplo de VT de um implemento conectado



Controlador de tarefas – TC ISOBUS



Parâmetros de tarefa – Taxas alvo

Resumo



Retorna menu inicial de configuração



Parâmetros de tarefa configuráveis

2

agroNave

Início Operação Controlar de tarefas ISOBUS Parâmetros de tr... K <

Resumo das configurações

TC Taxa para líquidos

TC Taxa para sólidos

TC Taxa para sementes

TC Taxa genérica

Taxa para líquidos

Configure as duas taxas alvo pré definidas para aplicação de líquidos

Taxa alvo 1 para líquidos

80.000 L/ha ?

Taxa alvo 2 para líquidos

120.000 L/ha ?

cancelar confirmar

4

agroNave

Início Operação Controlar de tarefas ISOBUS Parâmetros de tr... K <

Resumo das configurações

TC Taxa para sementes

TC Taxa para líquidos

TC Taxa para sólidos

TC Taxa genérica

Taxa para sementes

Configure as duas taxas alvo pré definidas para aplicação de sementes

Taxa alvo 1 para sementes

80.000 S/ha ?

Taxa alvo 2 para sementes

120.000 S/ha ?

cancelar confirmar

3

agroNave

Início Operação Controlar de tarefas ISOBUS Parâmetros de tr... K <

Resumo das configurações

TC Taxa para sólidos

TC Taxa para líquidos

TC Taxa para sementes

TC Taxa genérica

Taxa para sólidos

Configure as duas taxas alvo pré definidas para aplicação de sólidos

Taxa alvo 1 para sólidos

80.000 Kg/ha ?

Taxa alvo 2 para sólidos

120.000 Kg/ha ?

cancelar confirmar

5

agroNave

Início Operação Controlar de tarefas ISOBUS Parâmetros de tr... K <

Resumo das configurações

TC Taxa genérica

TC Taxa para líquidos

TC Taxa para sólidos

TC Taxa para sementes

Taxa genérica

Configure as duas taxas alvo pré definidas para aplicações genéricas

Taxa alvo 1 genérica

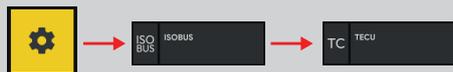
80.000 ?

Taxa alvo 2 genérica

120.000 ?

cancelar confirmar

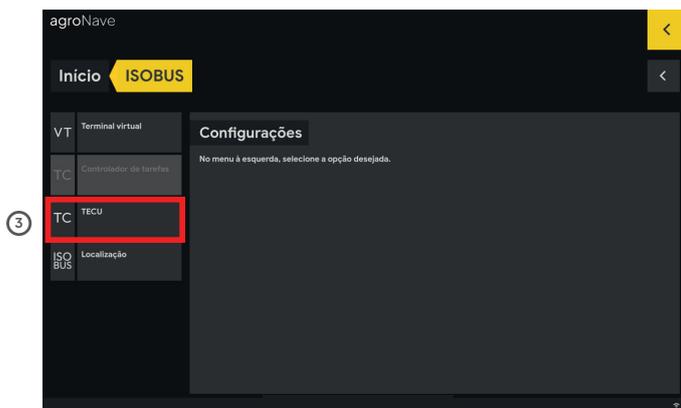
Habilitando a ECU do trator - TECU



1

2

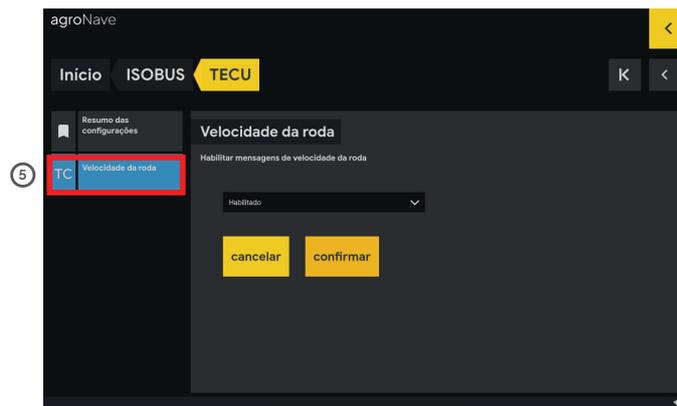
3



Resumo



Velocidade da Roda



Caso o trator já tenha alguma pré-disposição ISOBUS, essa opção deverá ser desativada. Consulte a Revenda em caso de dúvidas.

17 Navegação ISOBUS

The diagram illustrates the agroNave 7 tablet interface for ISOBUS navigation. The screen displays a top status bar with a lighting indicator, a speedometer showing 5.0 km/h, and a fuel rate of 80.00 L/Ha. Below this, a map shows a green field with a blue guidance line and a yellow 'AUTO' button. The bottom of the screen features a control bar with 'AGRES: ISOSPRAY' and 'AGRES: ISOSPREAD' sections. To the right, a vertical strip of physical buttons is labeled 'Botões de atalho' and includes 'INFO', 'A+', '30', a play button, and a power button. Red arrows point from text labels to specific UI elements and buttons.

Barra de luz indicativa do posicionamento em relação a guia

Distância da guia mais próxima

Mais opções

Taxa lida

Taxa alvo

Sinais de satélite GNSS

Correções: RTK, PPP, SBAS, DGPS

Botões de funções

Guia paralela

Guia atual

Abas de seleção de aplicação

Velocidade

Marca ponto A/B

Área total aplicada

Corte automático de seções

Seções do implemento selecionado

Botões de atalho

INFO

A+

30

▶

⏻

80.00 L/Ha

5.0 km/h

3.70 ha

10.81 m

T1: 80.00 L/Ha

T2: 120.00 L/Ha

parar controle de taxa

AGRES: ISOSPRAY - Controlador de Taxa

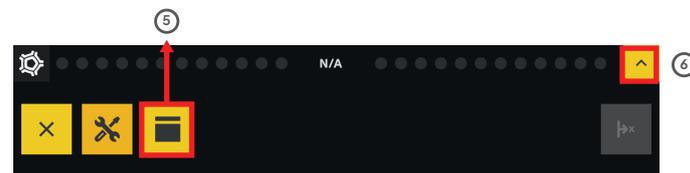
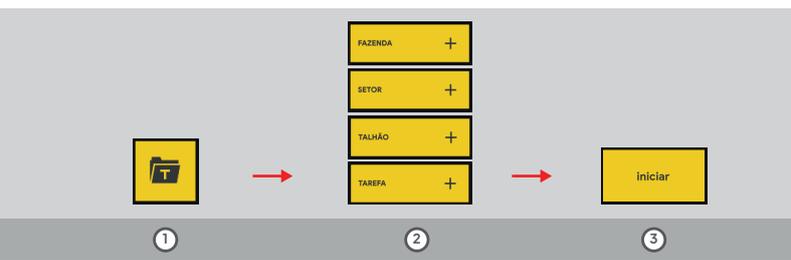
AGRES: ISOSPREAD - Prescription Controller

AUTO

Agres

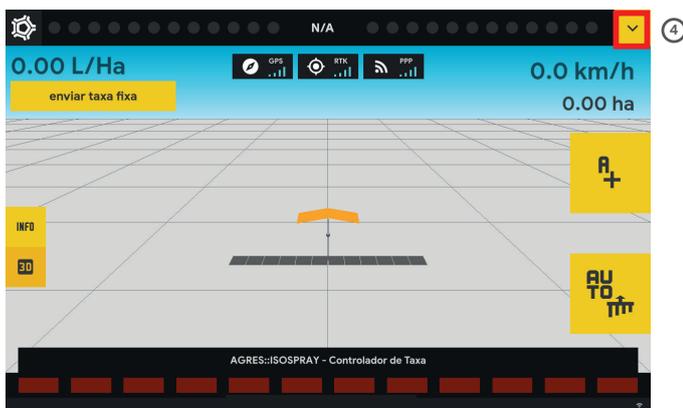
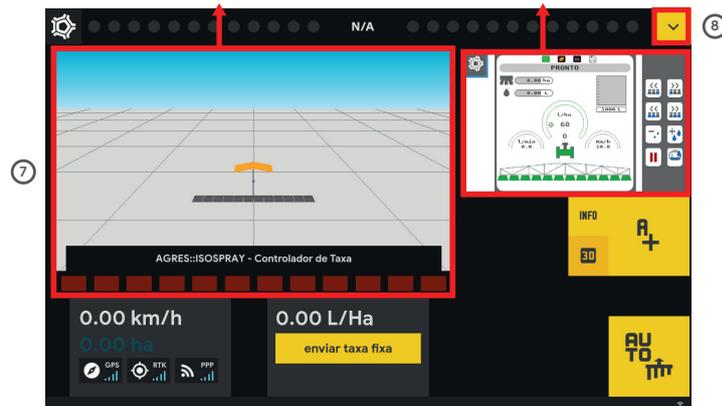
MULTITELAS

Configuração e operação do agroNave e implementos ISOBUS no modo multitelas.



Janela principal, onde é possível interagir com a aplicação

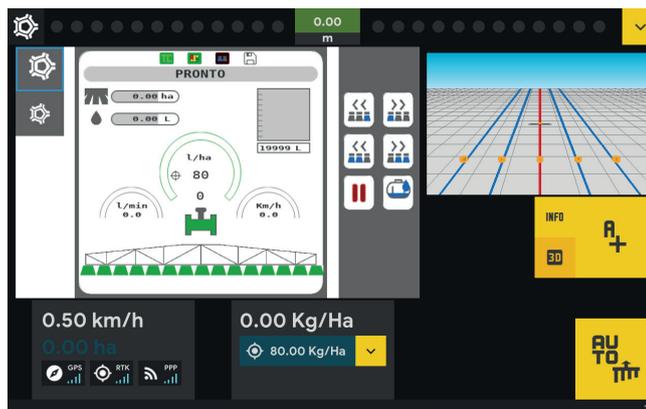
Janela secundária, clique para que ela se torne a janela principal



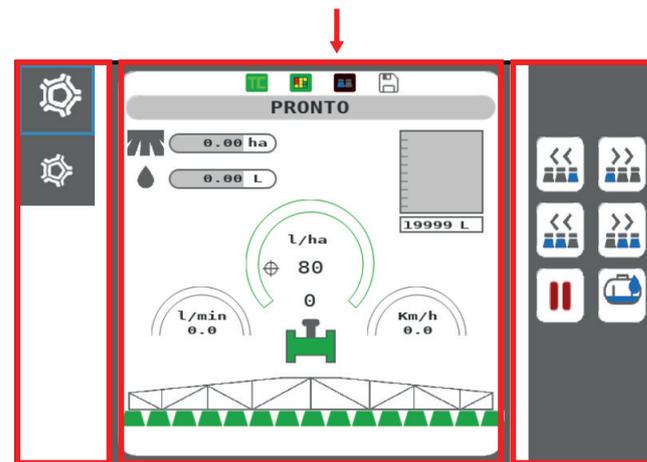
9 Retorna ao modo de tela simples apresentando a janela principal



Exemplo de multitela no VT



Área principal de operação do implemento

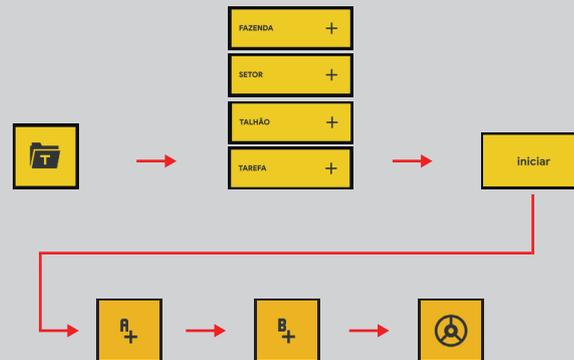
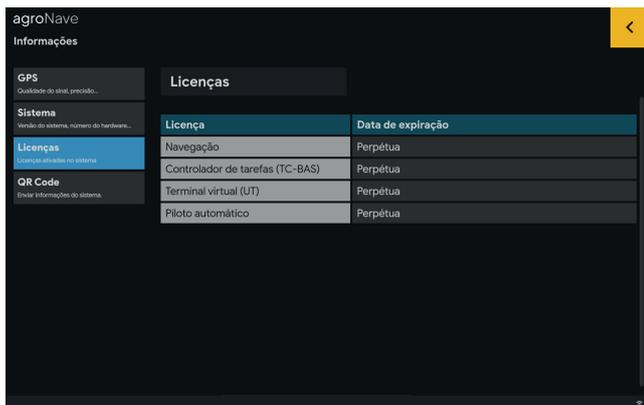


Implementos ISOBUS conectados

Área de botões com funções do implemento

 Cada equipamento ISOBUS pode apresentar opções diferentes na tela do VT/UT. Consulte o manual específico.

18 Piloto Automático



Piloto desengatado mas pronto para engate



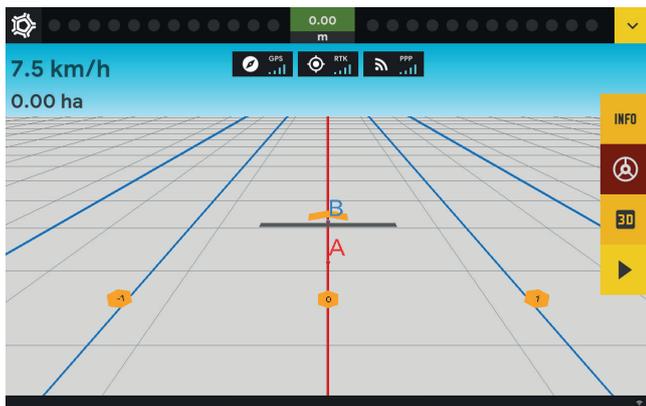
Piloto desengatado com restrição para engate



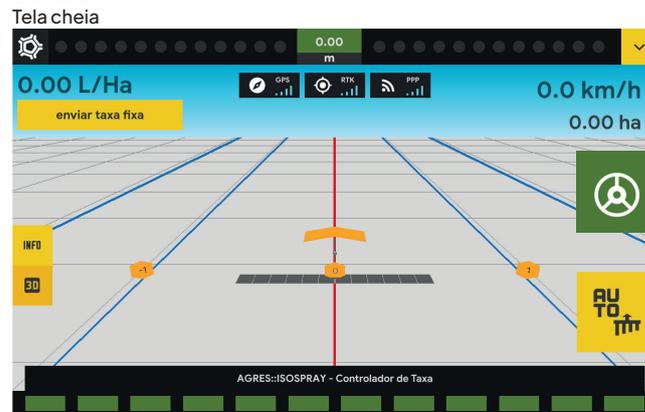
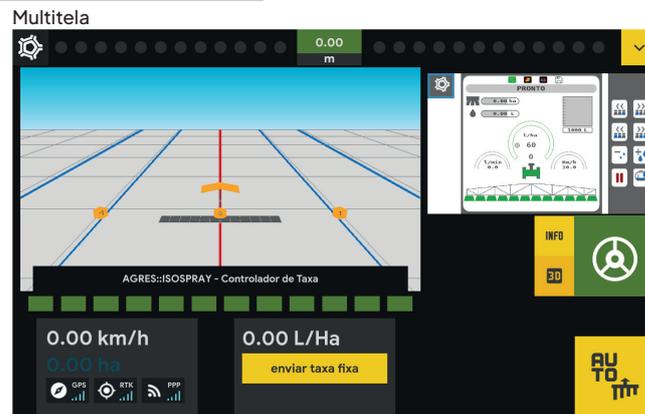
Piloto engatado

 O Piloto deve estar instalado, licenciado e devidamente configurado. Verifique com a Revenda.

Piloto sem ISOBUS



Piloto com ISOBUS

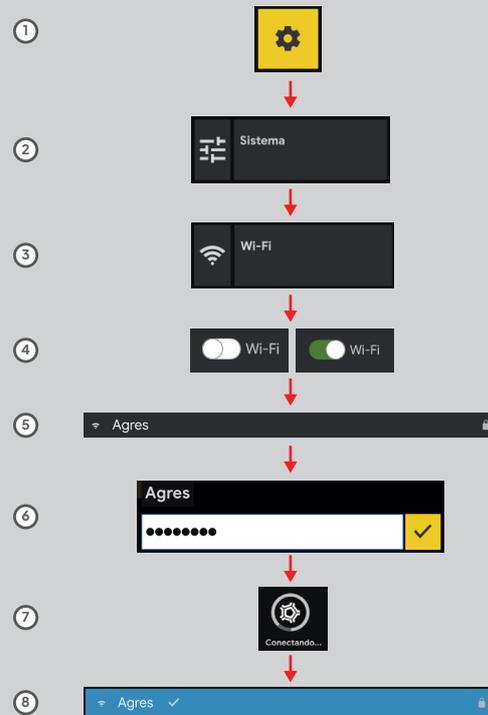


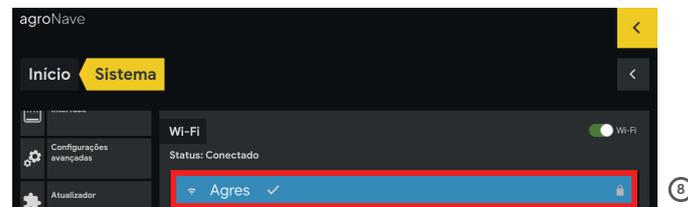
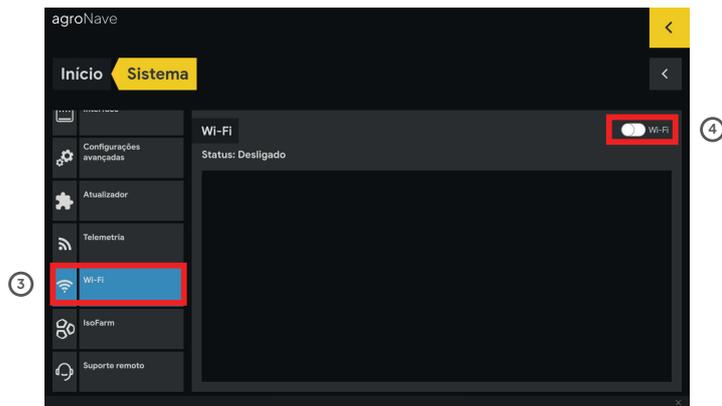
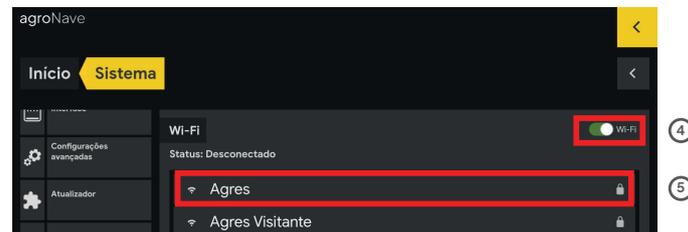
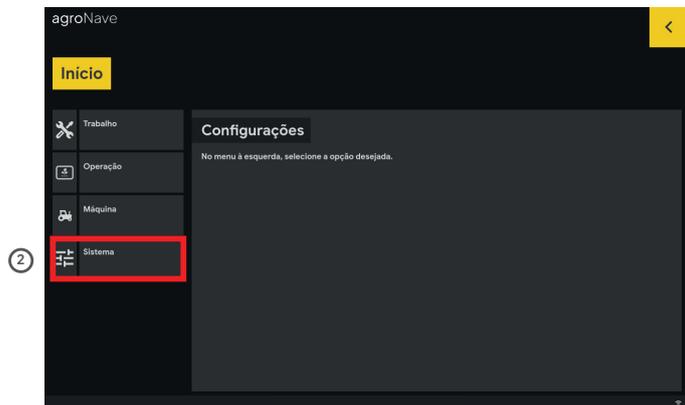
19 Wi-Fi

CONECTANDO AO WI-FI



-  Desligado
-  Desconectado
-  Conectado

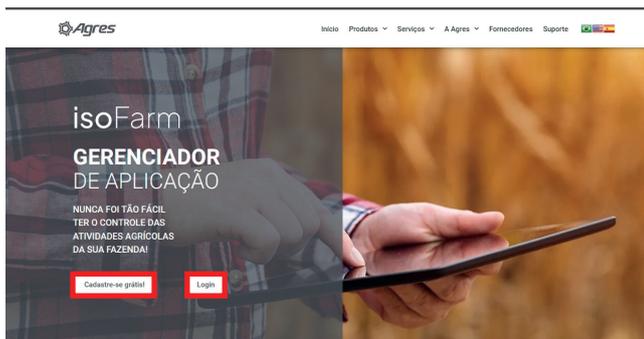




20 Gerenciador de Aplicação – Isofarm

ACESSE OU CRIE UMA CONTA

- ① Acesse: www.isoFarm.com.br
- ② Cadastro/Login na plataforma*



<p>VISUALIZAÇÃO DE NAVEGAÇÃO</p> <p>Carregue o arquivo de navegação de seu equipamento Agres e possua todas as informações das operações e também dos mapas de aplicação, velocidade e transpasse, em uma só tela.</p>	<p>PREVISÃO DO TEMPO</p> <p>Tenha acesso a dados meteorológicos da sua região e conte com o indicador de operação de pulverização para saber o melhor momento para realizar a aplicação.</p>
<p>MONITORAMENTO DE FROTA</p> <p>Tenha acesso em tempo real da operação que está sendo realizada através do sistema de Telemetria Agres.</p>	<p>RELATÓRIO DE NAVEGAÇÃO</p> <p> Gere o relatório completo do trabalho realizado contendo informações da operação e configuração de máquina em formato PDF.</p>

CARACTERÍSTICAS DO GERENCIADOR DE APLICAÇÃO

Cadastre-se

③ Cadastro na plataforma

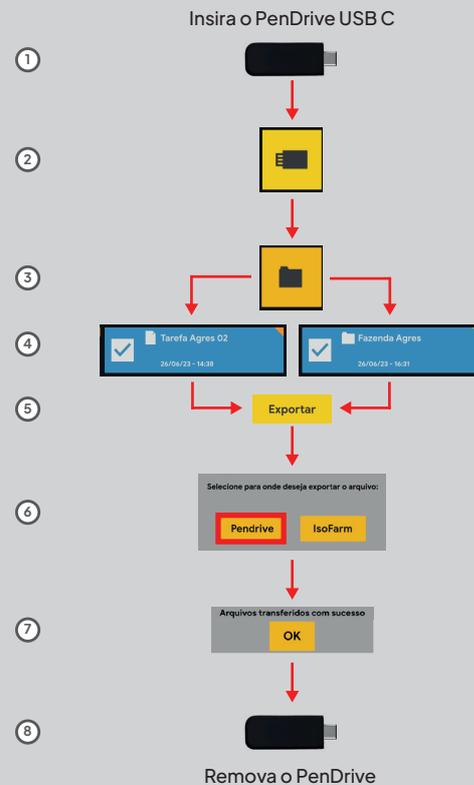
④ Login na plataforma

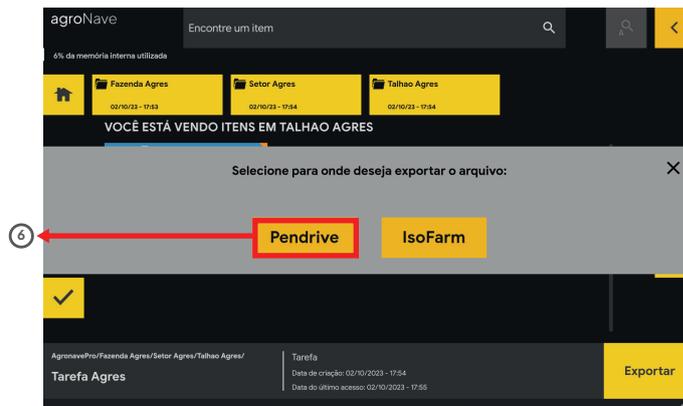
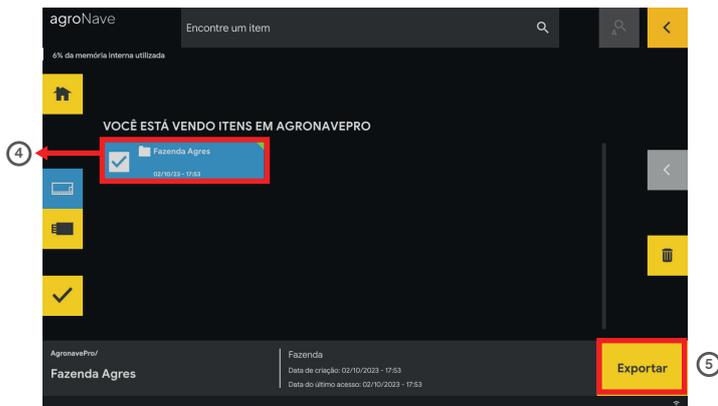
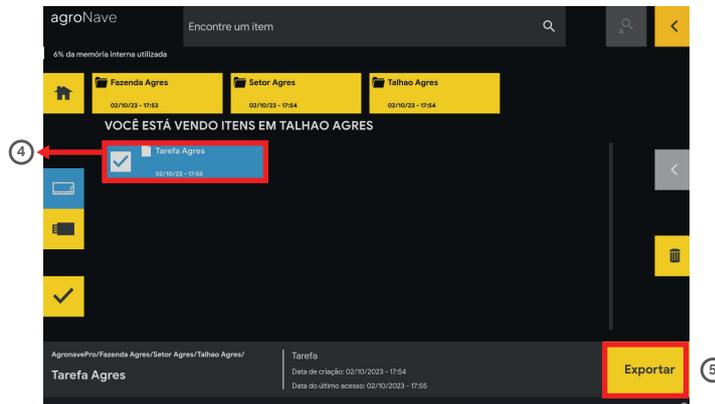
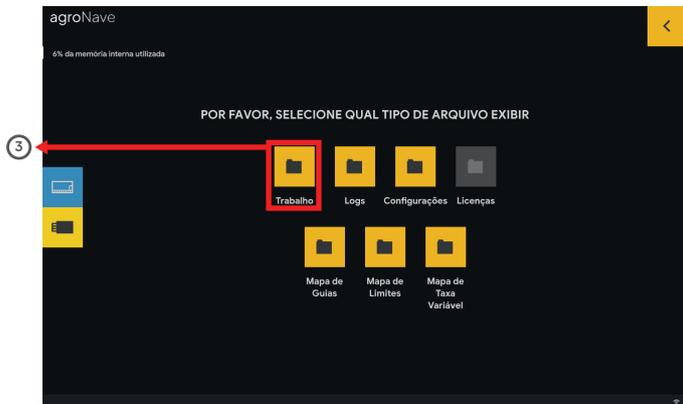
* Para utilizar a plataforma, será necessário aceitar os Termos de Serviço e Políticas de Privacidade, que explicam o tratamento dos dados.

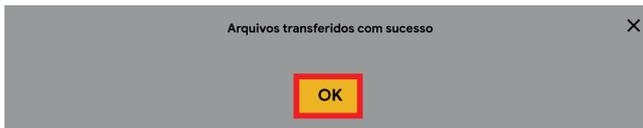
EXPORTAR ARQUIVOS DO AGRONAVE

Para o PenDrive USB C

No agroNave

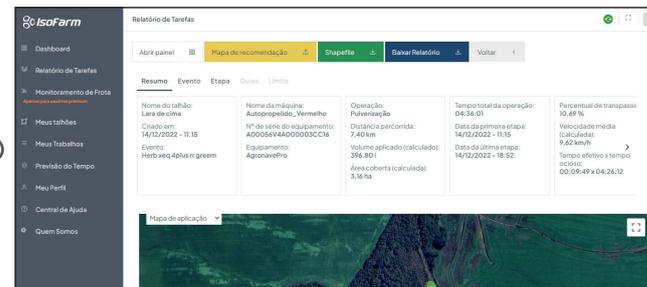
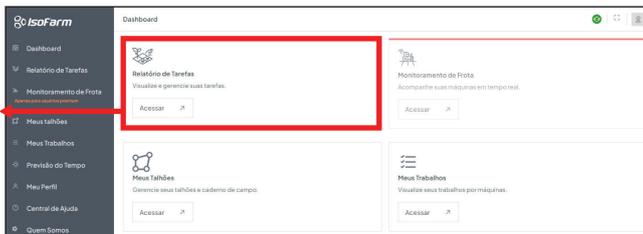






No isoFarm

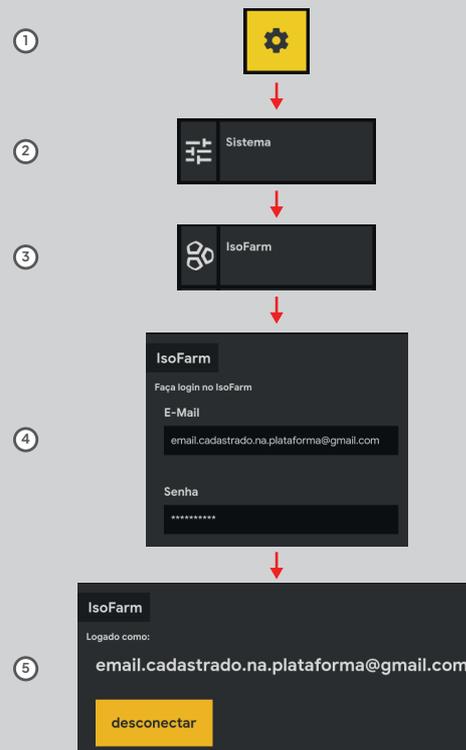
- ① Conecte o pen drive e clique em *Relatório de Tarefas*
- ② Clique em *Enviar Tarefas*
- ③ Selecione o arquivo de tarefa desejado
- ④ Clique no relatório importado
- ⑤ Visualize o resultado da tarefa executada

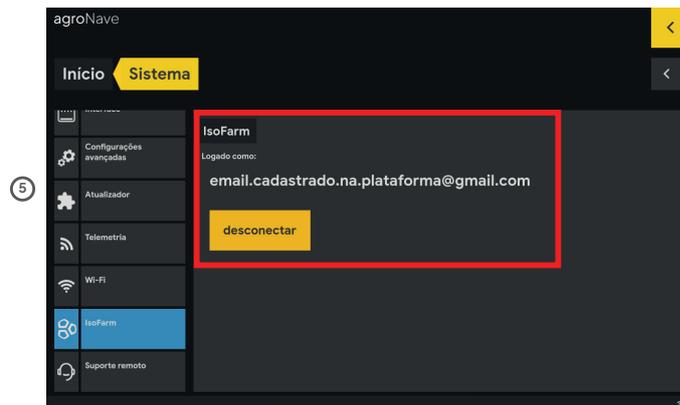
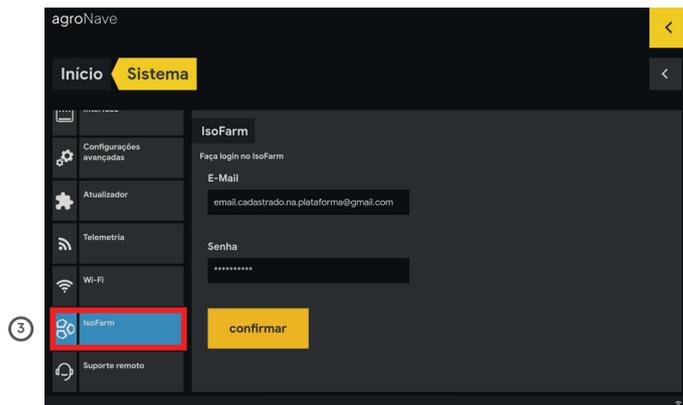
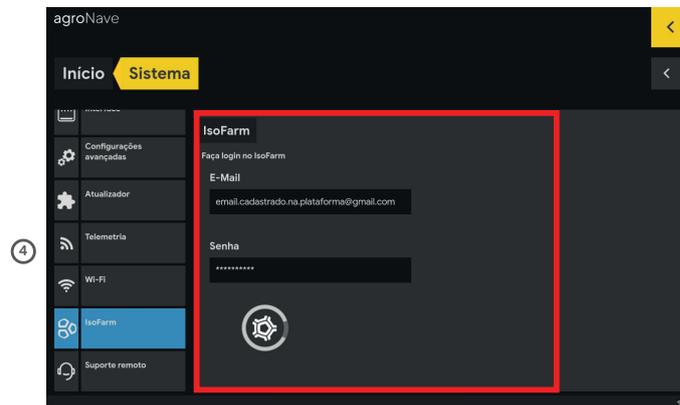
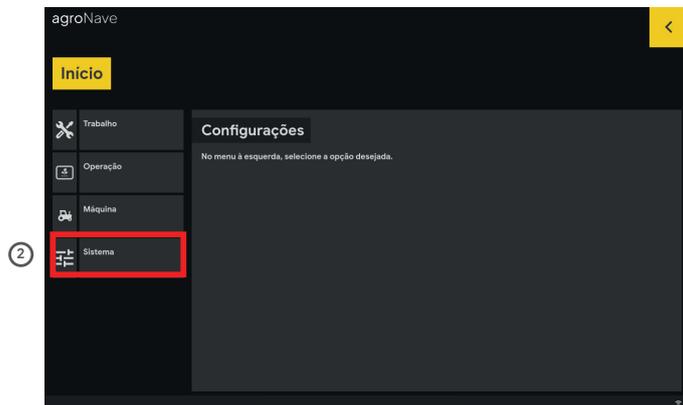


Direto para o isoFarm

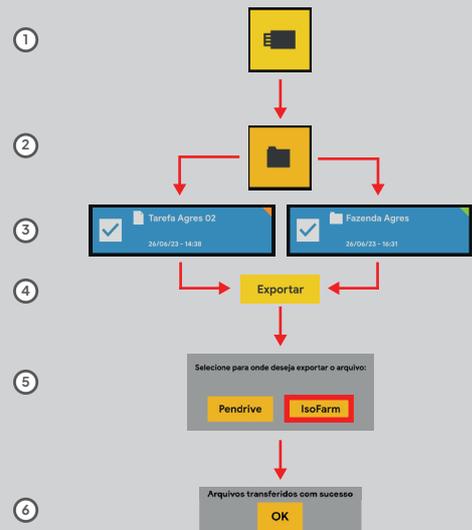
No agroNave - Conecte em sua conta isoFarm

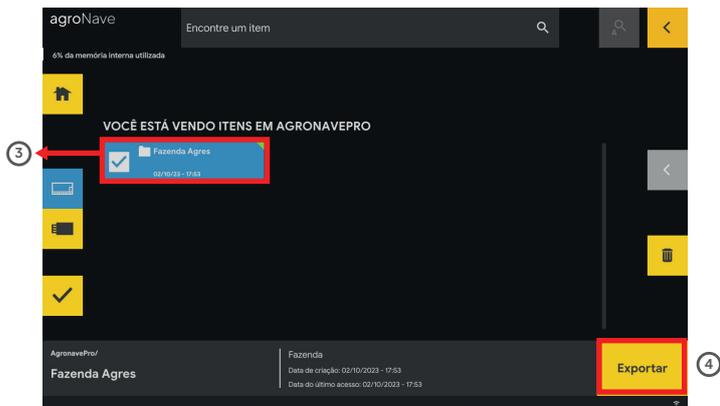
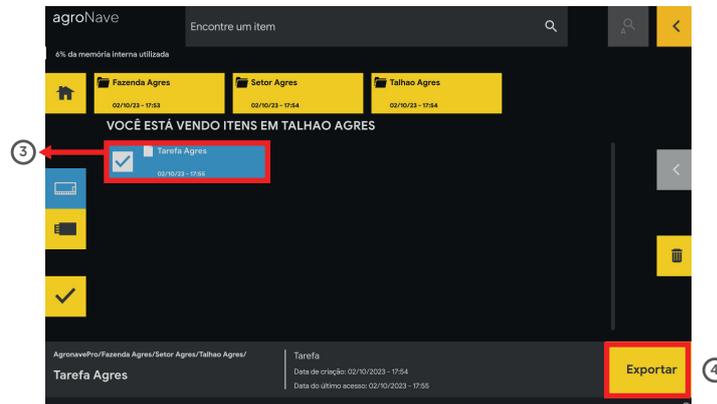
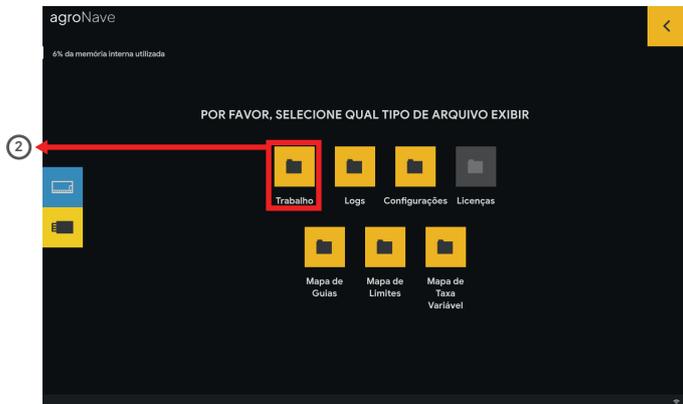
Selecione os arquivos de tarefa para exportar para o IsoFarm

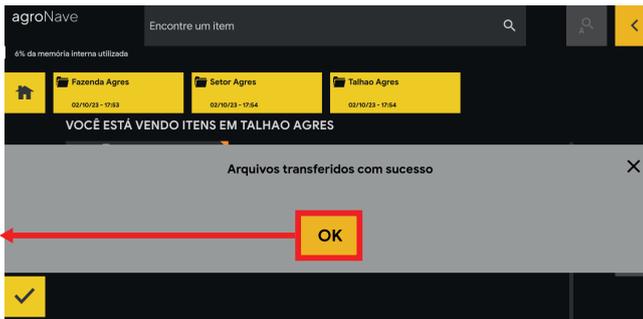




No agroNave - Seleccione os arquivos

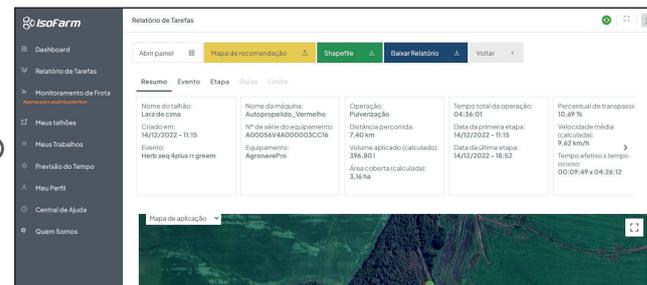
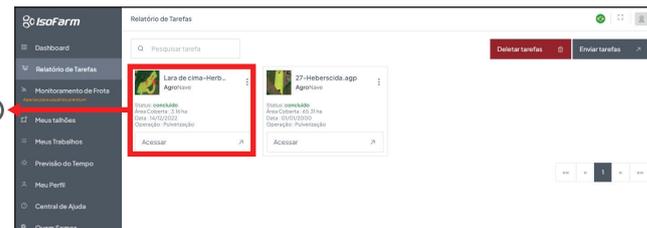
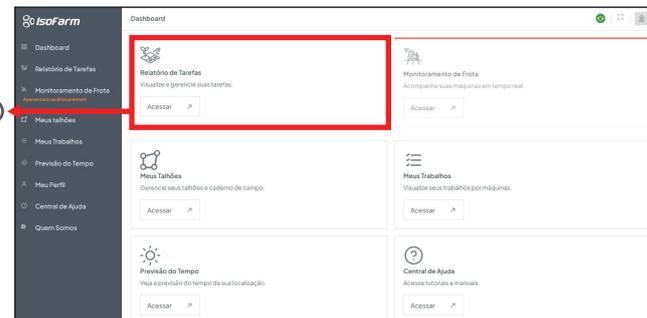






No isoFarm

- 1 Clique em *Relatório de Tarefas*
- 2 Clique no relatório importado desejado
- 3 Visualize o resultado da tarefa executada



TERMO DE GARANTIA DO PRODUTO

1. A AGRES Sistemas Eletrônicos S/A garante que os equipamentos, peças e serviços comercializados estarão livres de defeitos de fabricação pelos seguintes períodos:

- (i) equipamentos: 12 (doze) meses;
- (ii) peças: 90 (noventa) dias;
- (iii) serviços: 90 (noventa) dias.

2. A garantia para equipamentos será aplicada mediante apresentação dos seguintes documentos:

- (i) nota fiscal emitida em até 12 (doze) meses, com referência ao número de série do equipamento, quando não tiver sido emitida pela AGRES Sistemas Eletrônicos S/A; e
- (ii) ficha preenchida de envio do equipamento para manutenção.

3. A garantia para peças será aplicada mediante apresentação dos seguintes documentos:

- (i) nota fiscal emitida em até 90 (noventa) dias, com referência ao número de série, quando não tiver sido emitida pela AGRES Sistemas Eletrônicos S/A; e
- (ii) ficha preenchida de envio para manutenção.

4. Todos os serviços, reparos e manutenções deverão ser realizados exclusivamente pela AGRES Sistemas Eletrônicos S/A. A garantia para serviços será aplicada mediante apresentação da nota fiscal emitida pela AGRES Sistemas Eletrônicos S/A, em até 90 (noventa) dias.

5. Para solicitar a aplicação da garantia, o cliente deverá:

- (i) cumprir todos os requisitos previstos neste Termo de Garantia Limitada;
- (ii) enviar os documentos previstos neste Termo de Garantia Limitada e os equipamentos e peças para AGRES Sistemas Eletrônicos – Rua Oswaldo Stephanes, Nº 84, Uberaba, Curitiba-PR, Brasil, CEP 81560-

285, telefone +55 (41)3132 3300;

- (iii) entregar os equipamentos e peças em embalagens que mantenham sua integridade, com todos os acessórios em estado adequado; e
- (iv) anexar relato escrito e detalhado das falhas e/ou anomalias do equipamento ou peça.

6. A garantia será aplicada após realização dos testes de diagnóstico pela AGRES Sistemas Eletrônicos S/A.

7. A garantia exclui quaisquer danos, defeitos ou falhas decorrentes de utilização inadequada dos equipamentos ou peças e de atos ou omissões do cliente ou de qualquer terceiro. A garantia não se aplica a quaisquer equipamentos ou peças não fornecidos pela AGRES Sistemas Eletrônicos S/A, seus distribuidores ou revendedores autorizados. Nenhuma outra garantia, explícita ou implícita, de qualquer natureza, é outorgada pela AGRES Sistemas Eletrônicos S/A.

8. A responsabilidade da AGRES Sistemas Eletrônicos S/A limita-se à reparação ou substituição do equipamento, peça ou serviço defeituoso, com falhas e/ou anomalias.

9. A AGRES Sistemas Eletrônicos S/A não será, em nenhum caso, responsável por quaisquer perdas e danos, lucros cessantes e/ou danos indiretos decorrentes ou em conexão com o fornecimento de equipamentos, peças ou serviços. As responsabilidades da AGRES Sistemas Eletrônicos S/A limitam-se ao cumprimento deste Termo de Garantia Limitada e, em qualquer caso, não deverão exceder o valor pago como contraprestação aos equipamentos ou peças entregues e/ou serviços executados.

10. A AGRES Sistemas Eletrônicos S/A não será responsável por indenizar prejuízos resultantes de caso fortuito ou força maior e de circunstâncias além do seu controle razoável.



agroNave 7

Quick Guide

NAVIGATION WITH VIRTUAL GUIDE AND ISOBUS TERMINAL

SAFETY INSTRUCTIONS

In this quick guide, the main safety instructions and recommendations for using agroNave will be presented.

Always follow the instructions accompanying the alerts, notices, or information, as per the descriptive examples provided below. These instructions aim to minimize the risks of injury and material damage

USAGERECOMMENDATIONS

The following are the recommended instructions for safe use of agroNave, informing the operator of the main risks of improper use.



Alert: Informs the operator of an important safety situation regarding the use of agroNave, which if not avoided, may result in serious harm to health and equipment.



Notice: Informs the operator of an important situation regarding the use of agroNave that, if not avoided, may result in equipment damage.



Information: Used to present the operator with pertinent information regarding manual reading, such as links between topics and types of screens. It should be read.



The agroNave should only be used in agricultural machinery, such as tractors and self-propelled vehicles.



The agroNave should not be operated without knowledge of its proper functioning. The operator must respect the regulations of the country and have knowledge of the operation and configuration of agricultural machinery.



The agroNave was developed for exclusive use in agricultural activities. To avoid loss of vehicle control and prevent accidents, deactivate the agroNave before entering public roads.



Do not use the system during thunderstorms. There is a high risk of lightning strikes hitting the system, causing potential harm to people and equipment.



These safety instructions apply to Agres equipment and do not replace other common safe work practices.



Make sure the machinery is turned off while connecting agroNave components.



Activating agroNave at high speeds can cause loss of control and serious accidents.



Incorrect connection of agroNave power cables can cause serious injuries and equipment damage.



The accuracy of agroNave depends on the availability and type of GNSS signal.



agroNave assists with guidance during operations, however, the operator must remain in control, be alert, and maintain full control of the machinery at all times.



The side USB connector is used for downloading and uploading files via USB flash drive. DO NOT USE it to connect other devices, such as phones, flashlights, among others, as there is a risk of damaging the monitor.

The following actions are not recommended by the operator:

- Using the equipment outside the recommendations stipulated in this document;
- Using the equipment in conjunction with accessories from other manufacturers;
- Opening or disassembling parts of the equipment, except if expressly authorized by the Support and Technical Assistance teams;
- Modifying agroNave components, such as harnesses and their connectors;
- Using the equipment with defects or malfunctions.

CLEANING AND MAINTENANCE

The user must follow the cleaning and maintenance instructions of agroNave to ensure its integrity and reliability for as long as possible.



Do not use abrasive products for cleaning. Products containing ammonia can cause irreversible damage.



Do not touch the screen using sharp and pointed items, such as pencils. The screen surface may be damaged.



To clean the screen, dampen a clean, soft, lint-free cloth with water only. To clean stubborn stains, you can dampen the cloth with a solution of 70% isopropyl alcohol.



For cleaning other components, use a soft, dry cloth, or slightly dampened with water and mild soap.



Do not wash or immerse the system components in any type of liquid. Infiltrations may occur, compromising the electronic circuits, with the risk of fire and serious accidents.



Keep all system components clean after use, thus increasing their lifespan.

COMPONENT DISPOSAL

In case of disposal of any system component, observe the following recommendations:



Dispose of the onboard computer, antenna, harnesses, and any other parts of the system in accordance with the regulations in force in the country.



Improper disposal, especially when mixed with household waste, can cause serious issues, such as the release of poisonous gases when raw materials are burned, as well as soil and watershed contamination.

To learn more about the reverse logistics of our equipment in Brazil, visit www.agres.com.br/sgi

ISOBUS COMPATIBILITY

The agroNave is capable of working with any type of ISOBUS implement, regardless of its function or manufacturer.



Check with the Dealer for the necessary ISOBUS licenses.

DECLARATION OF CONFORMITY

This product is homologated by Anatel, in accordance with the regulated procedures for the assessment of conformity of telecommunication products and meets the applied technical requirements.

For more information, please visit the Anatel website www.anatel.gov.br.

This equipment is not entitled to protection against harmful interference and must not cause interference to properly authorized systems.



ANATEL: 122672310787
157642314260

Agres declares that the agroNave 7 complies with the requirements:



FCC: 2BDDS-AGRONAVE7

The full texts of the conformity declarations are available at the following internet address:

www.agres.com.br/agroNave



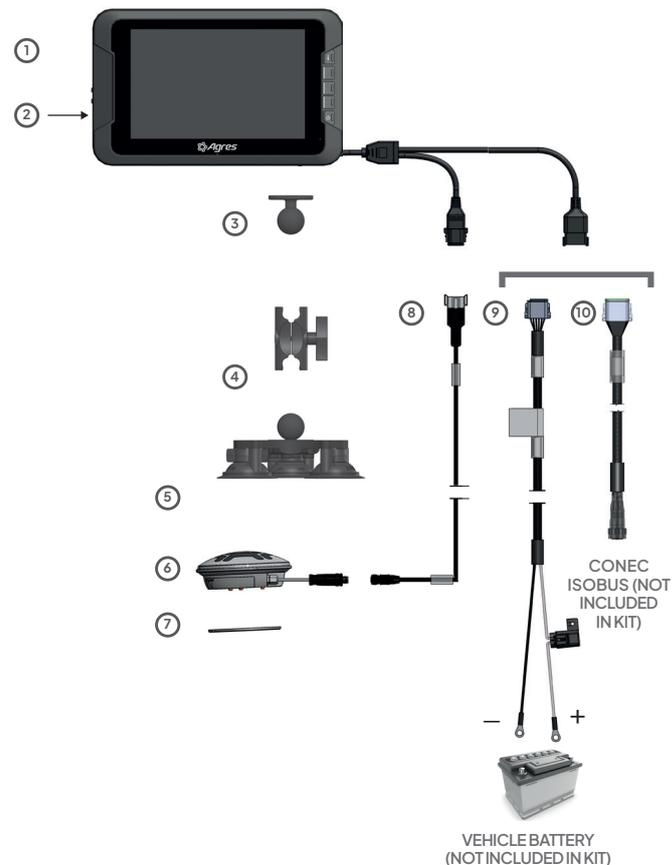
The latest version of this document can be accessed at www.agres.com.br/manuais



EXAMPLE OF COMPONENTS AND CONNECTION DIAGRAM

The components of the agroNave module are presented below and the connection is indicated beside:

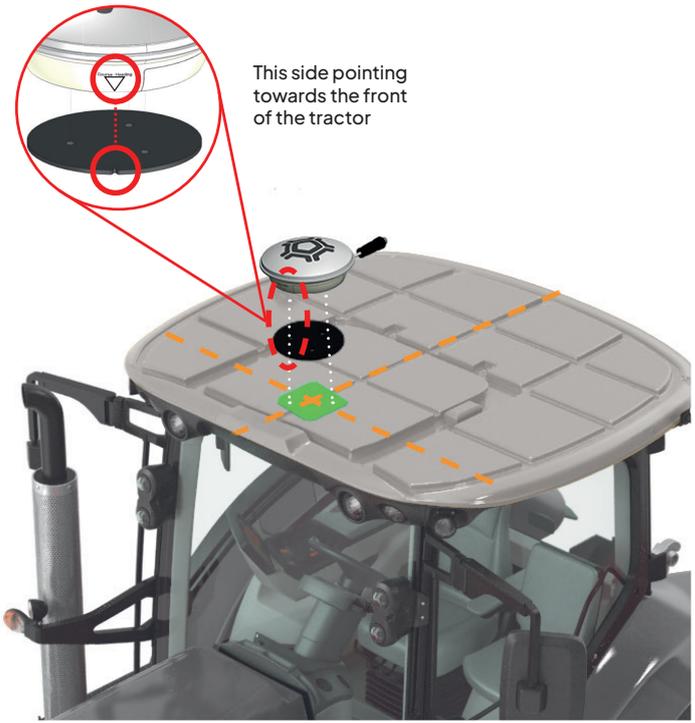
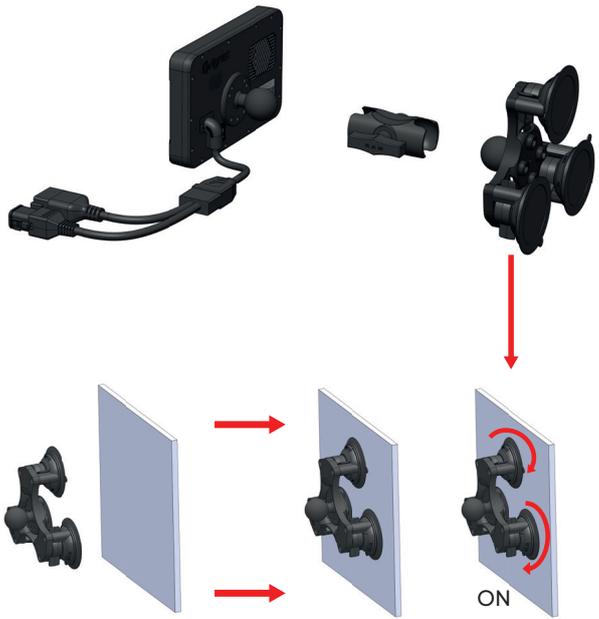
- ① 7" Onboard Computer
- ② USB-C input
- ③ Round fixing base
- ④ Articulated fixing arm
- ⑤ Set of suction cup fixings
- ⑥ Smart antenna
- ⑦ Accessory for antenna fixation with double-sided adhesive
- ⑧ Antenna cable
- ⑨ Battery connection cable with fuse holder
- ⑩ ISOBUS cable kit - optional



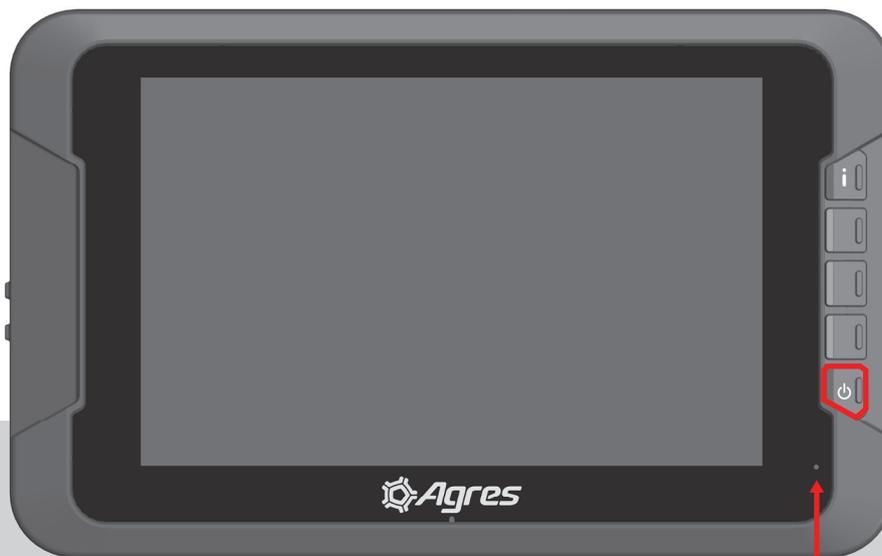
Mounting options may vary according to the machinery, consult the Dealer.

EXAMPLE OF FIXING

ANTENNA ASSEMBLY



* Images are for illustrative purposes only

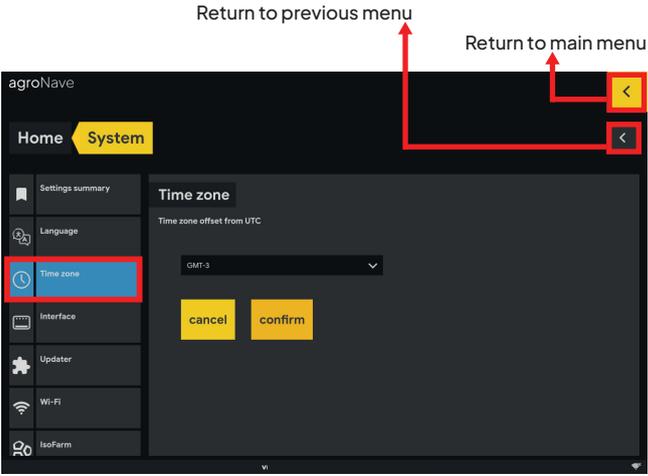
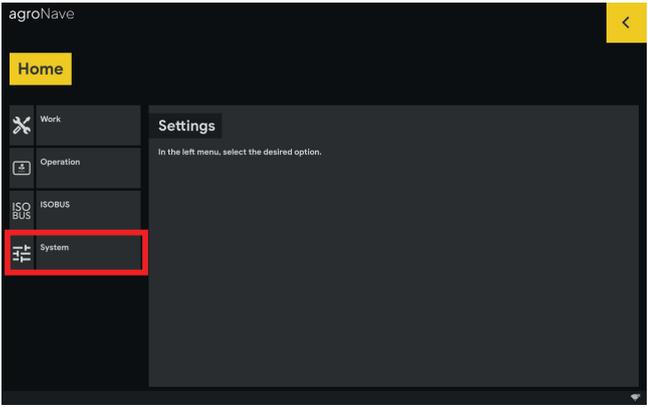
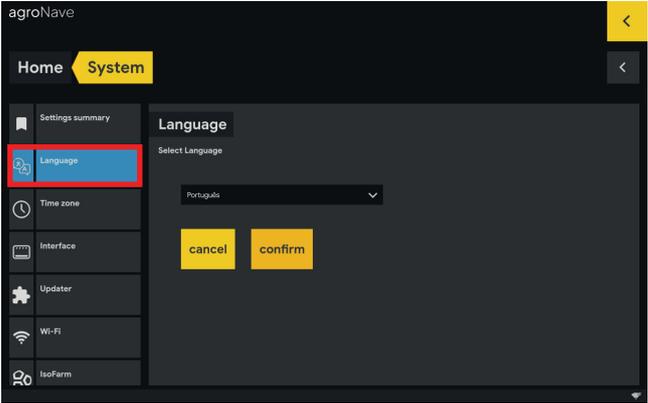
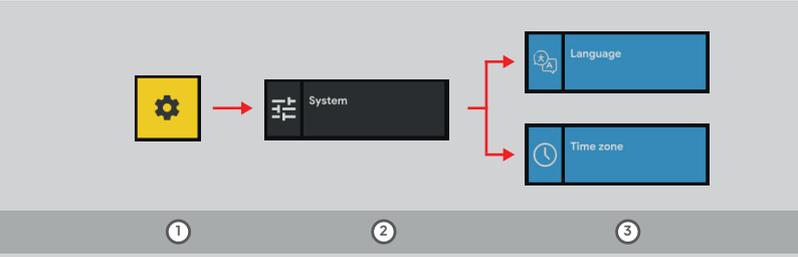
01 Turn on and off

Press  until the LED lights up

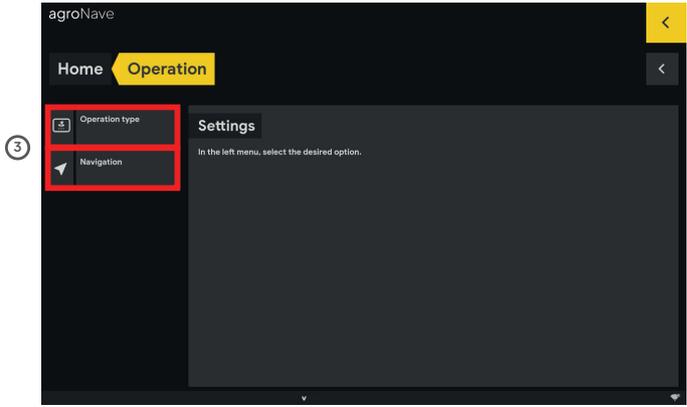
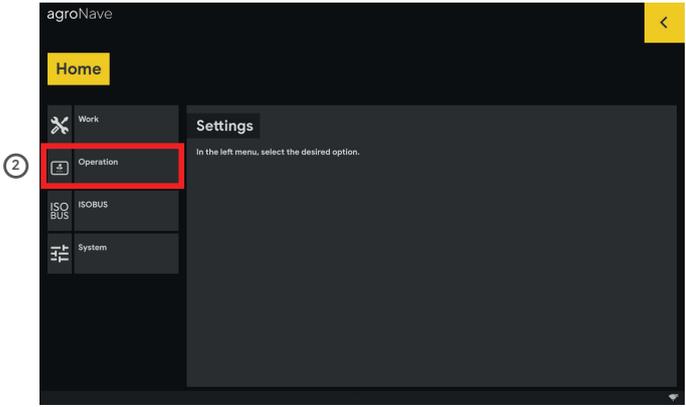
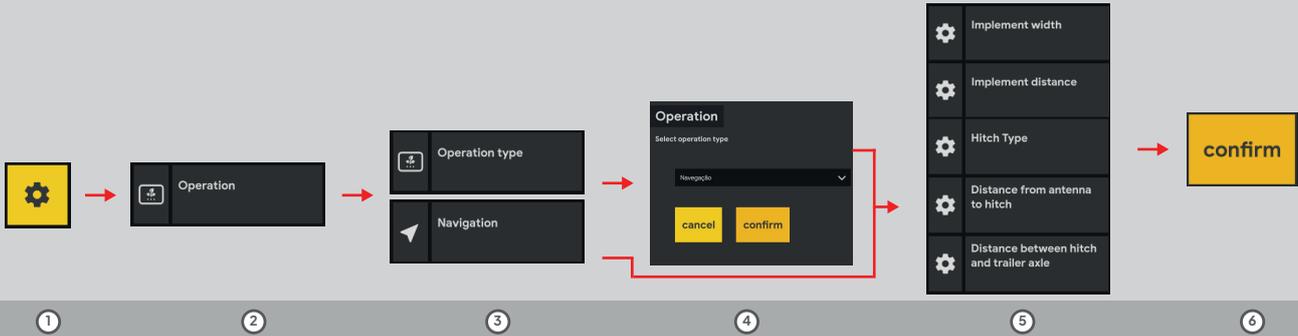
02 Home screen

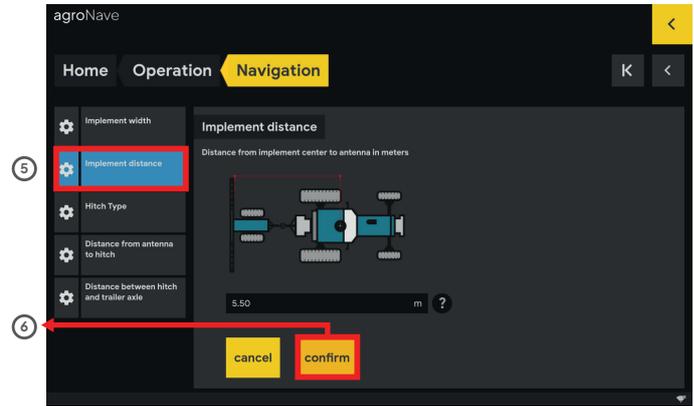
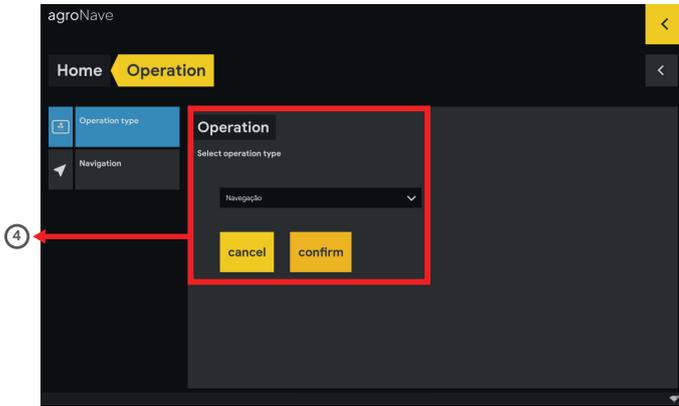


03 Language and time zone selection

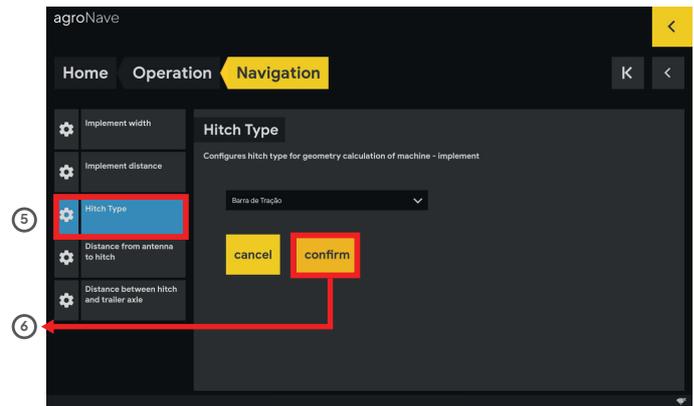
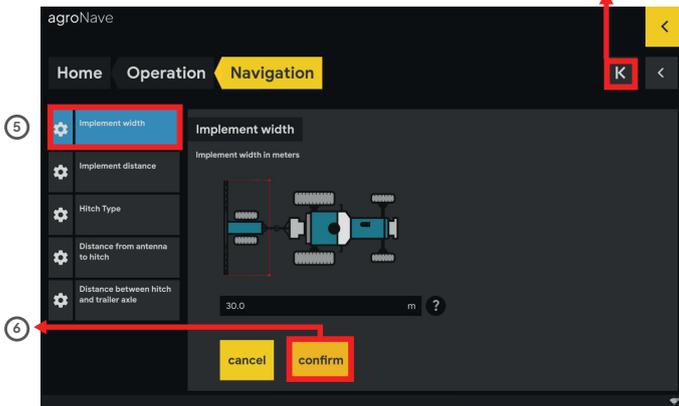


04 Operation Type - Navigation

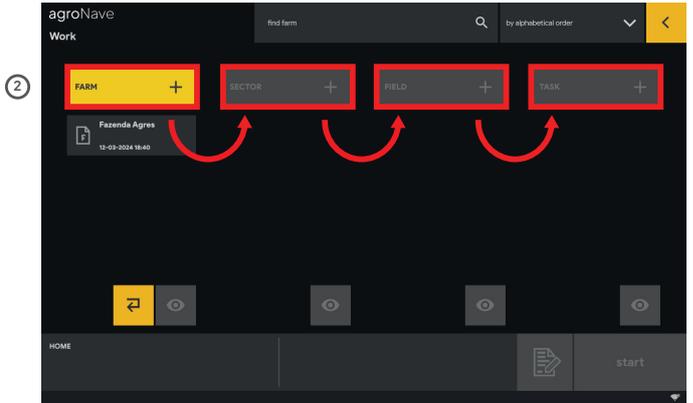
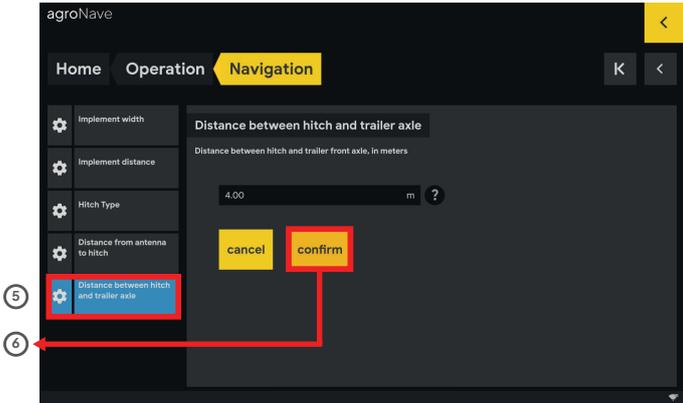
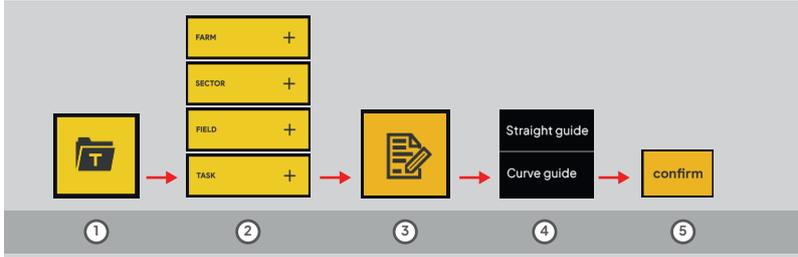
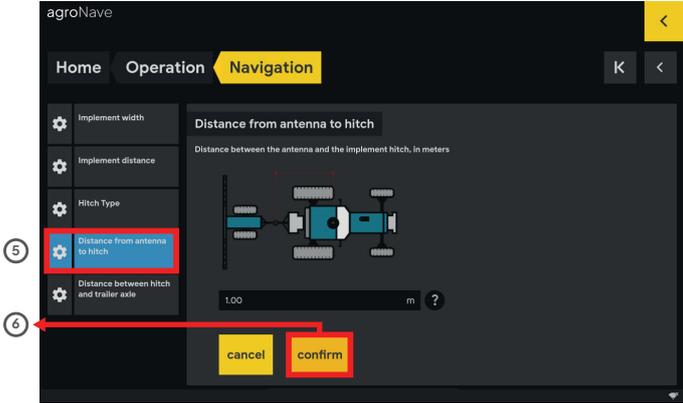




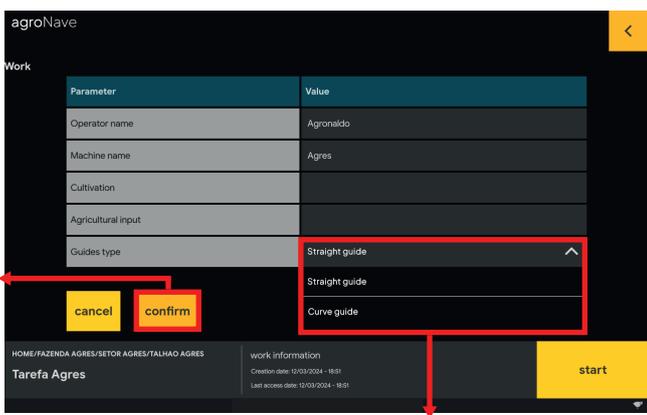
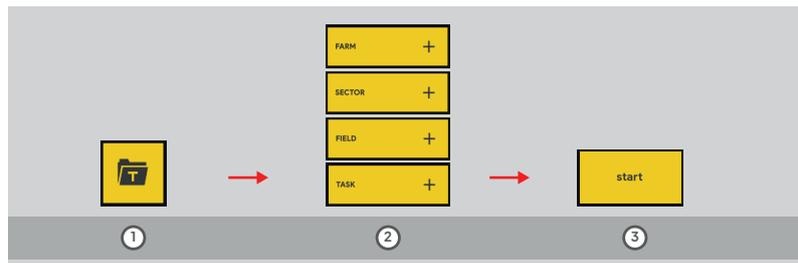
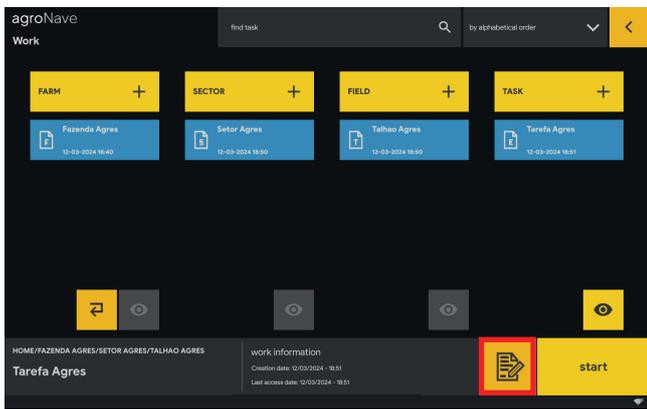
Return to initial setup menu



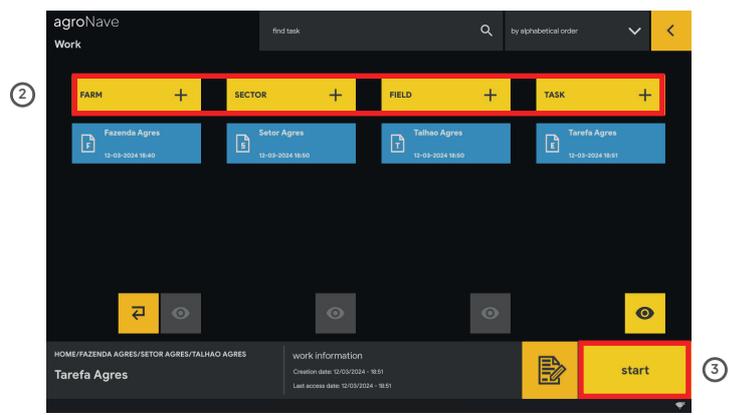
05 Task Report Information



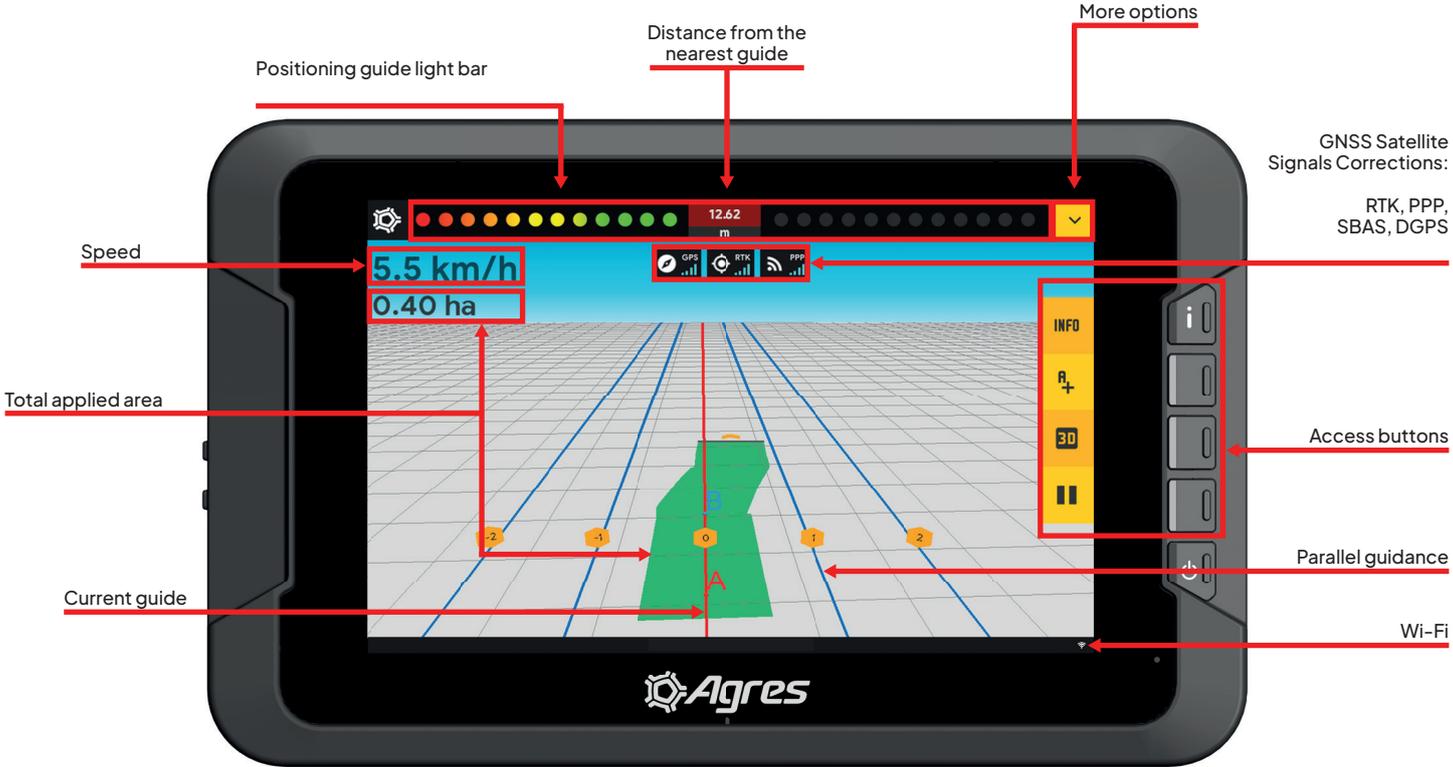
06 Starting a Task



Select the guide type ④



07 Navigation



08 Information

1



Information	Field	Operation
Task data	Talhao Agres	Navegação
	Task	Cultivation
1 of 4	Tarefa Agres	Soja

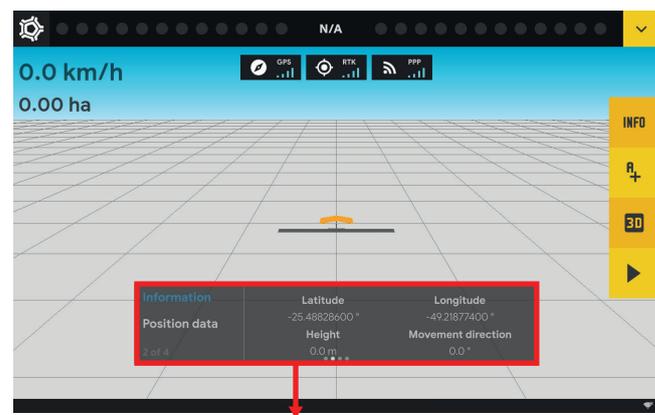
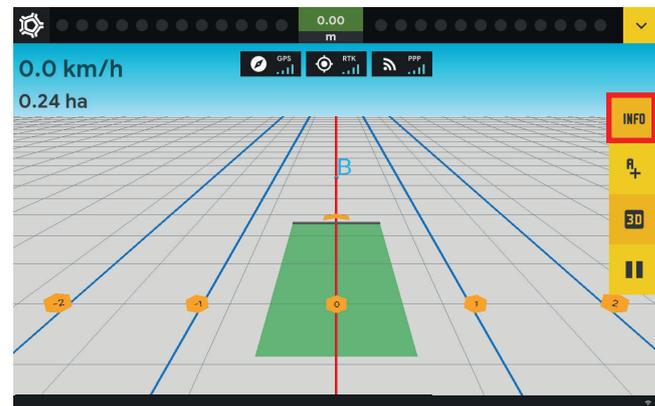
Information	Latitude	Longitude
Position data	-25.48828600 °	-49.21877400 °
	Height	Movement direction
2 of 4	0,0 m	0,0 °

Information	Tracked sat.	Used sat.
GPS data	32	32
	HDOP	GPS accuracy
3 of 4	0,2	0,01 m

Information	Travelled distance	Applied area
Boundary data	0 m	N/A
	Total area	Remaining area
4 of 4	N/A	N/A



2



09 Toggle 2D/3D view and Zoom



1

2

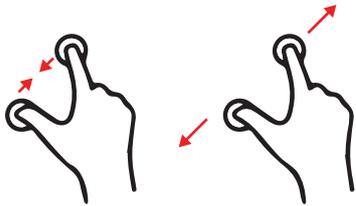
1



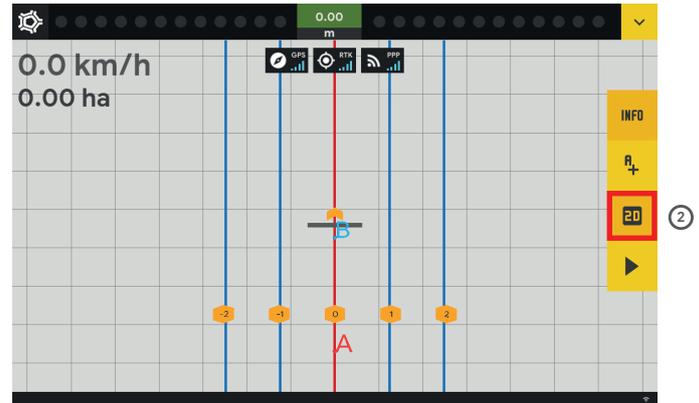
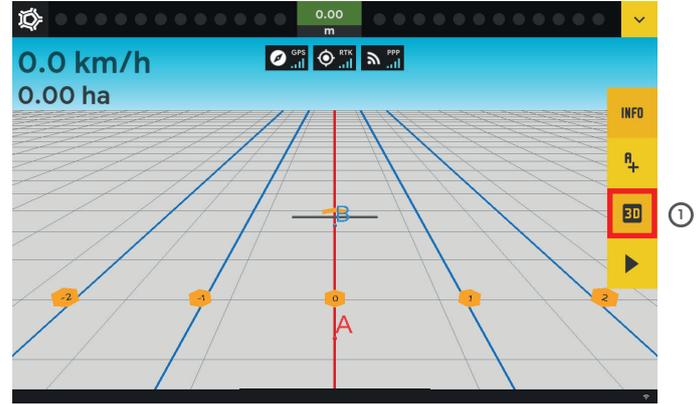
2

1

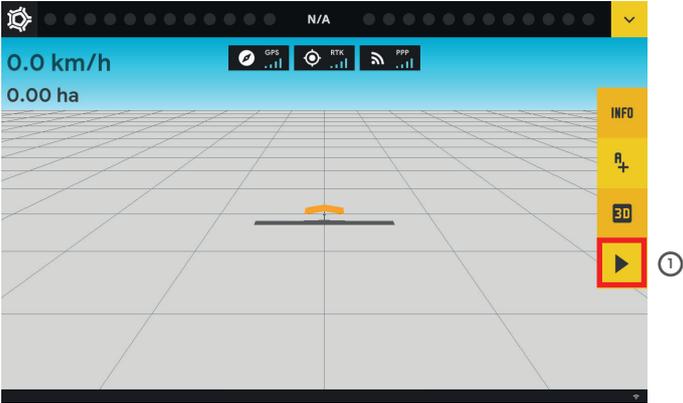
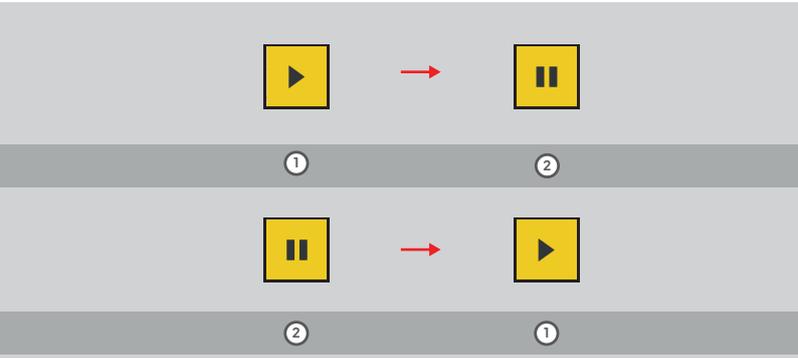
2



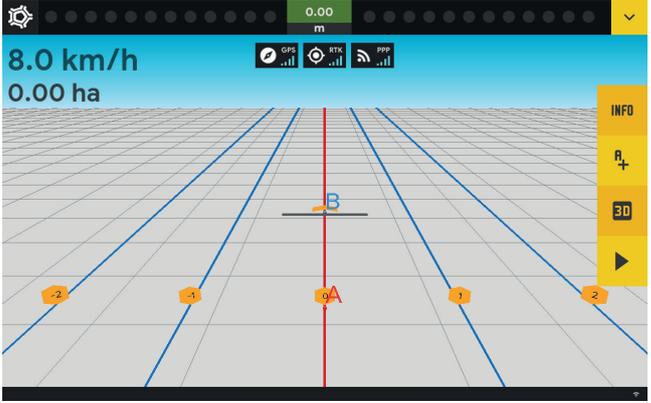
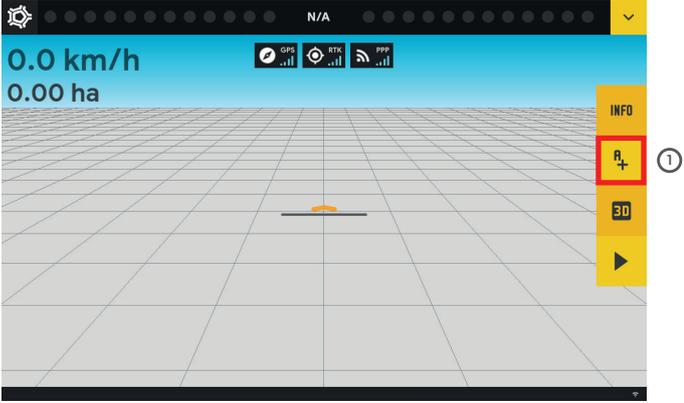
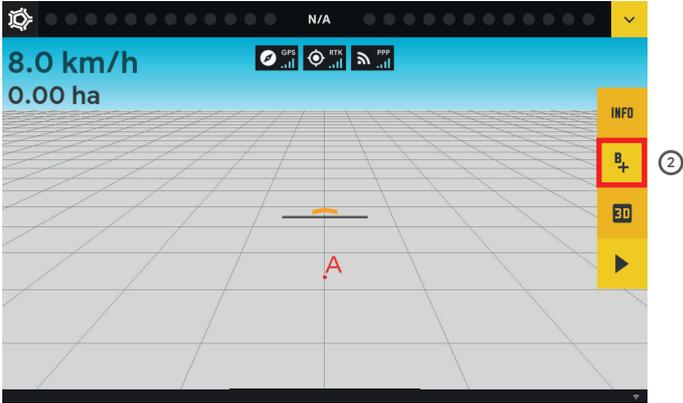
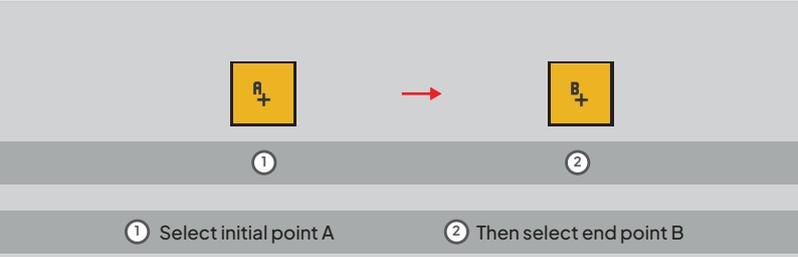
Zoom

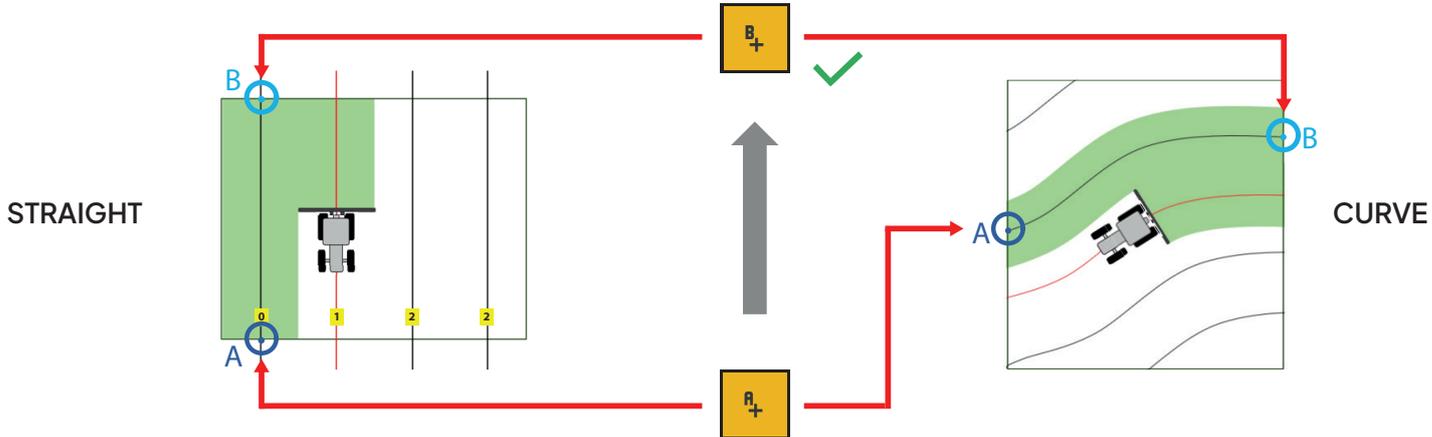


10 Turn on/off track

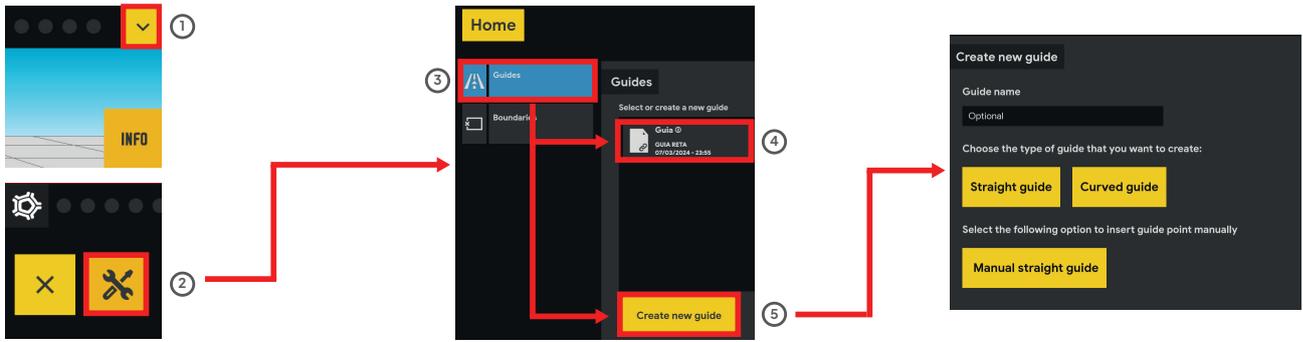


11 Creating guides





CHANGE STRAIGHT/CURVE GUIDE

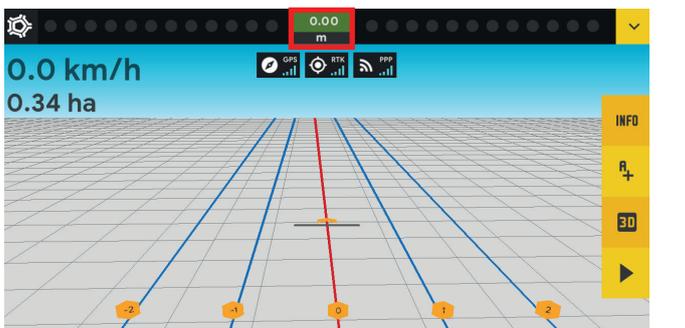
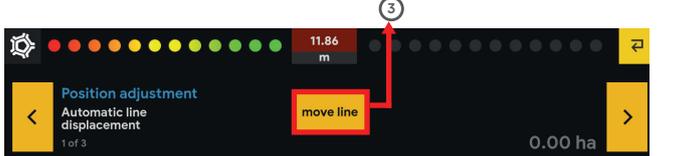
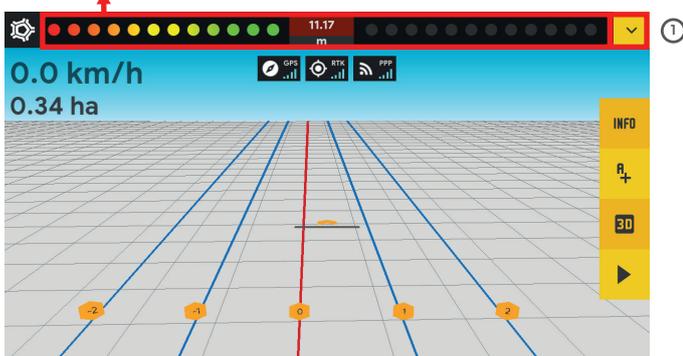


12 Guide offset

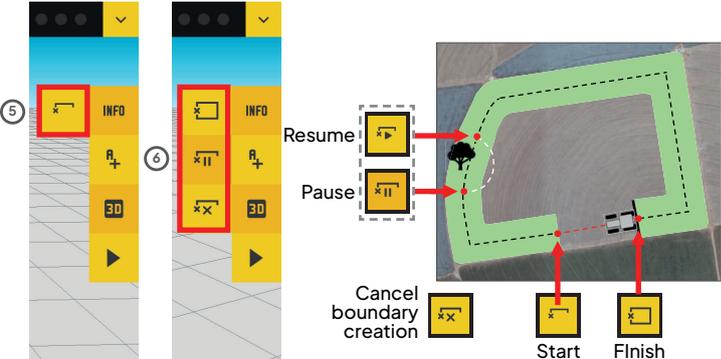
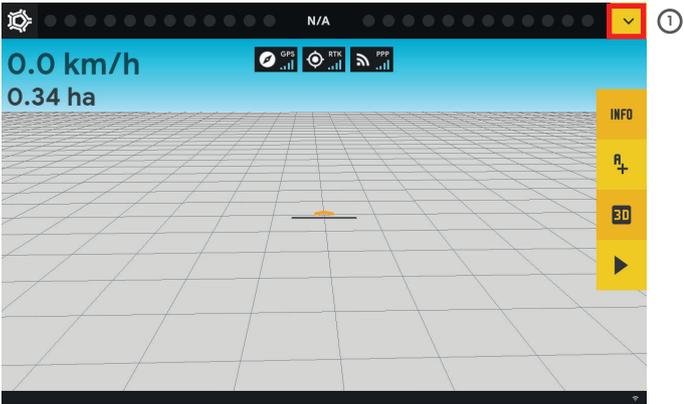
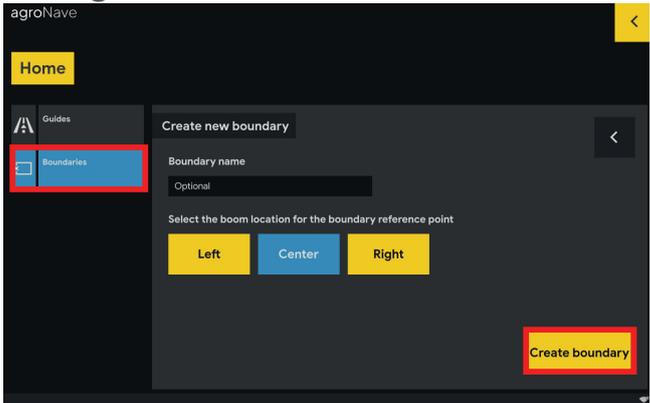
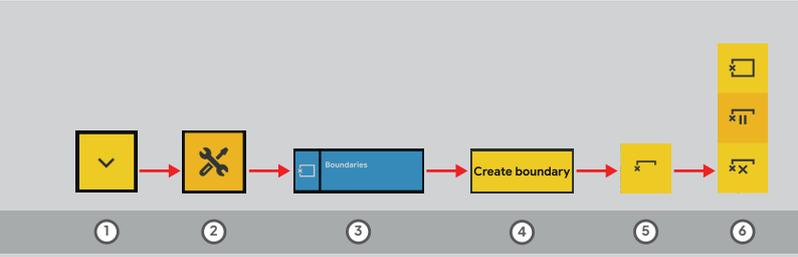


- ①
- ②
- ③
- ④
- ⑤

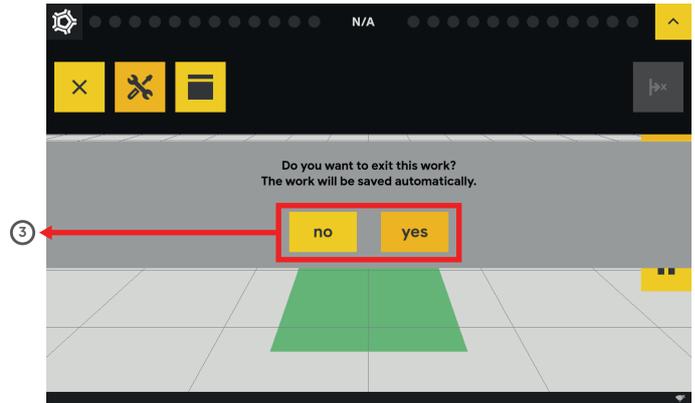
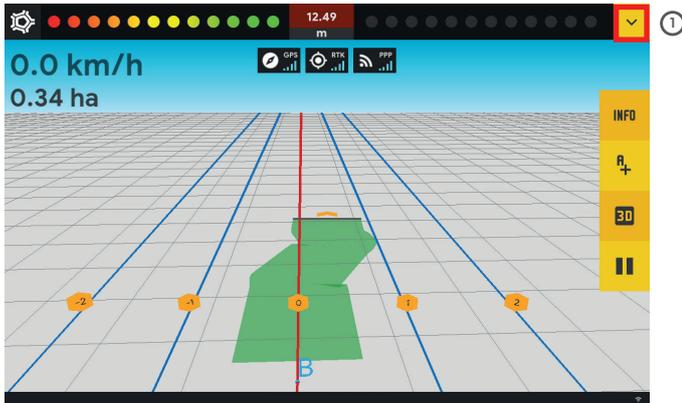
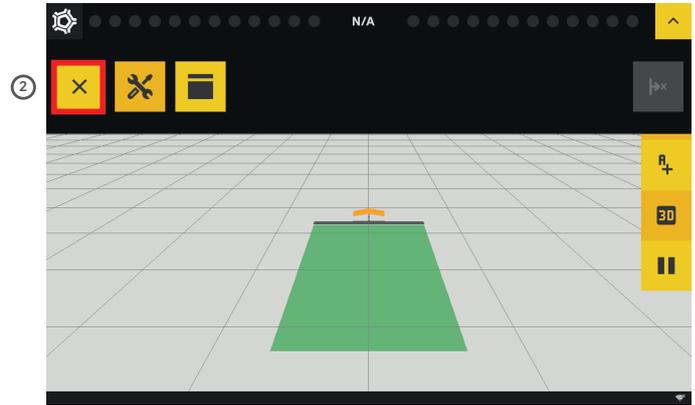
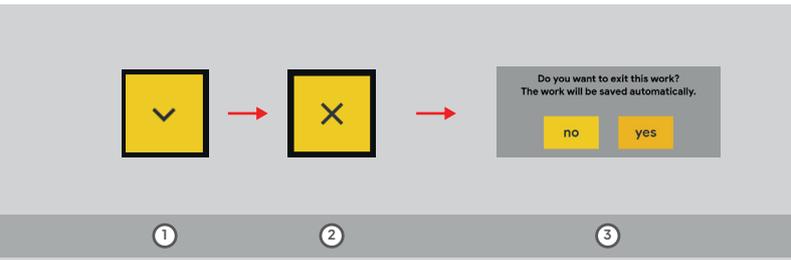
Offset indication



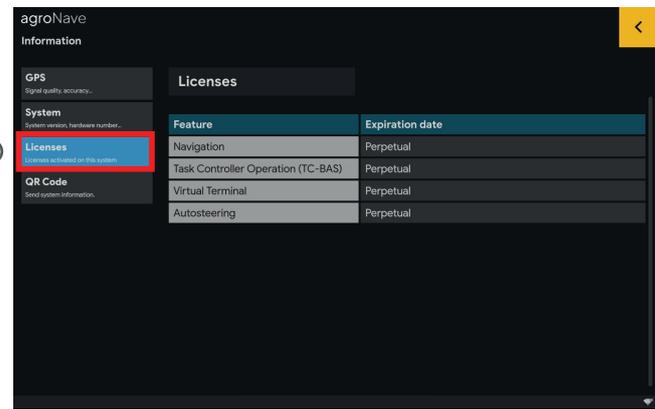
13 Creating boundaries



14 Saving and ending the task



15 License check

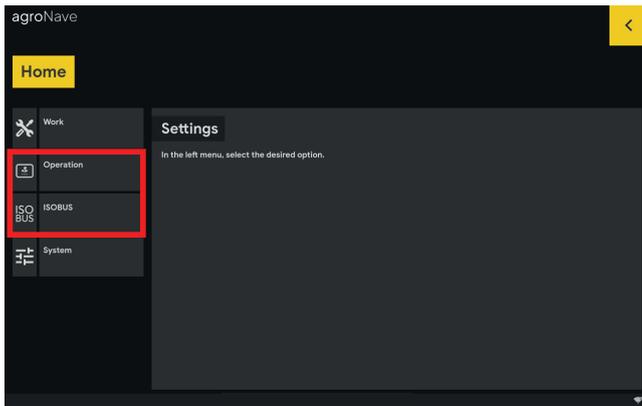


 To use and install certain features, it's necessary to check if the respective operating license is available. In case of doubts, consult the Dealer.

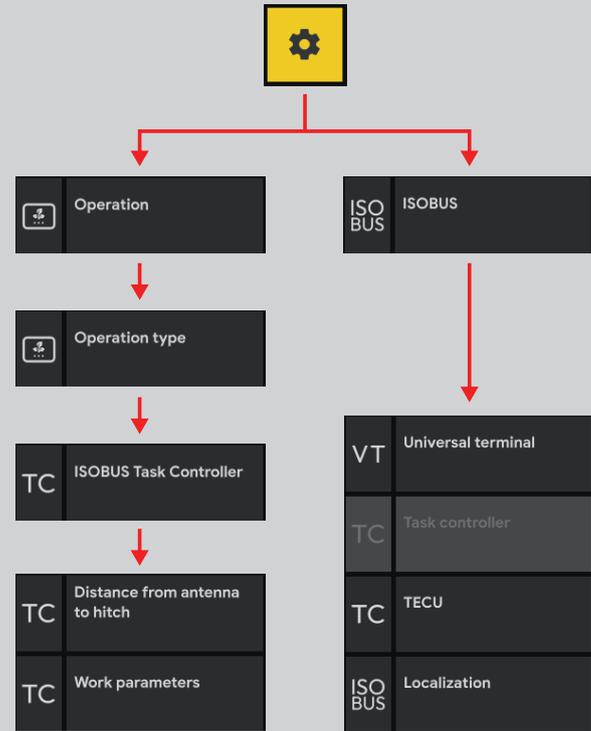
16 ISOBUS

SETTINGS

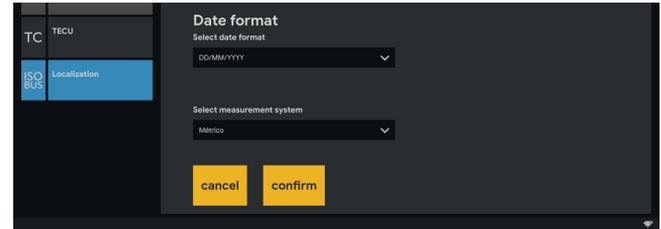
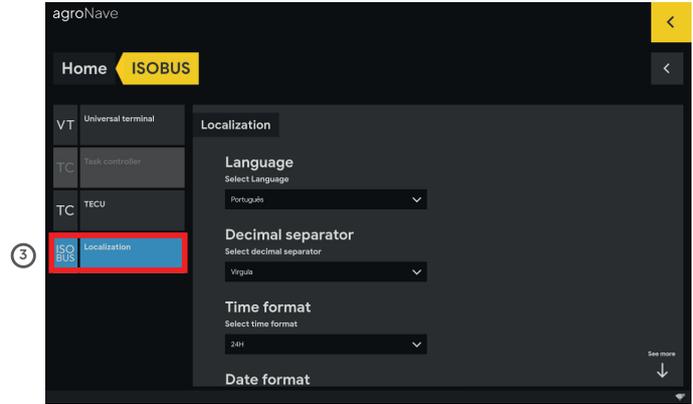
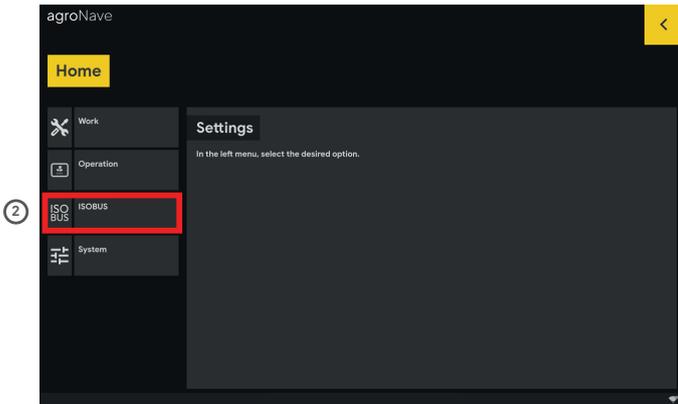
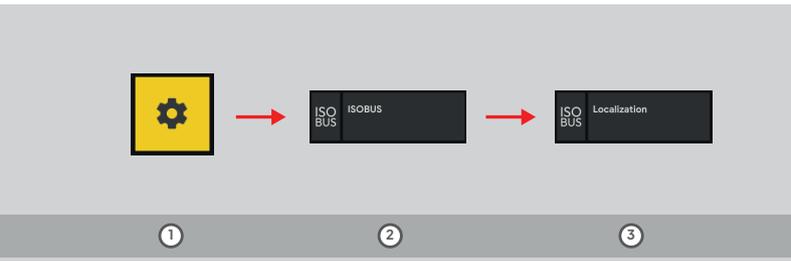
Interaction between agroNave and connected ISOBUS equipment.



Only available through licenses. Licenses for the Virtual Terminal (VT) and Task Controller (TC) must be installed.



Setting up the Virtual Terminal (VT)

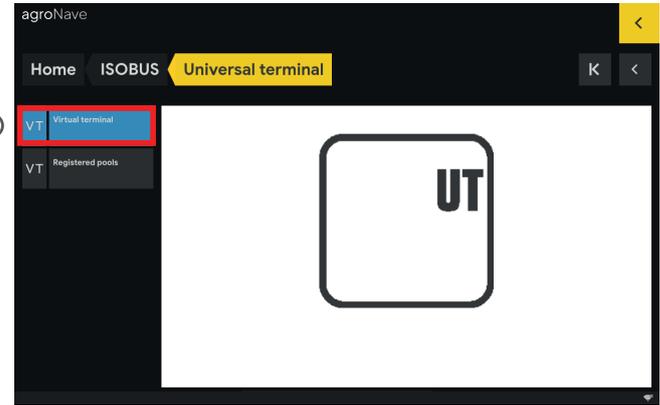


Accessing the Virtual Terminal - VT

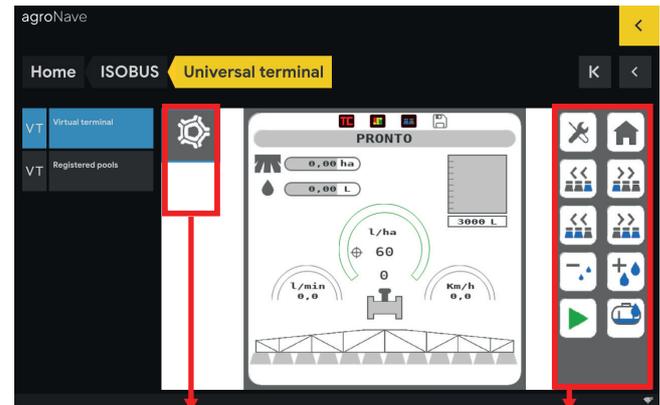
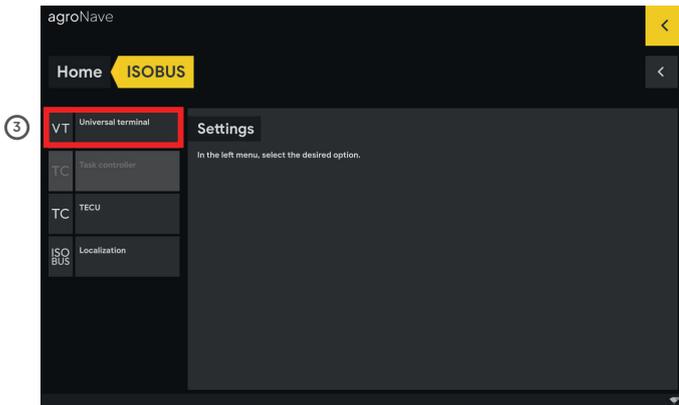
Graphical interface that allows checking and accessing the configuration and operation of the Implement



- ①
- ②
- ③
- ④



Example of VT of a connected implement



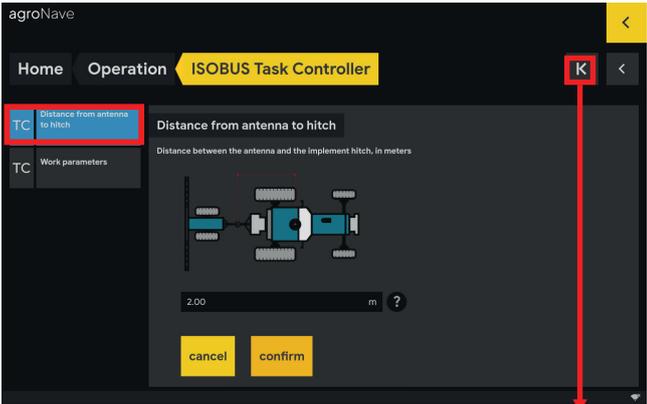
Connected implements

Function buttons

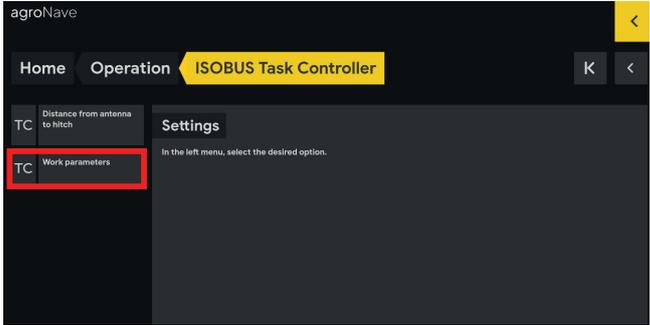
Task Controller - ISOBUS TC



- 1
- 2
- 3
- 4

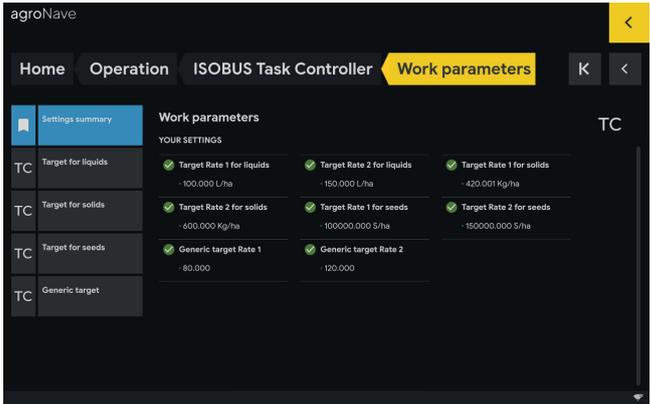


Return to initial setup menu

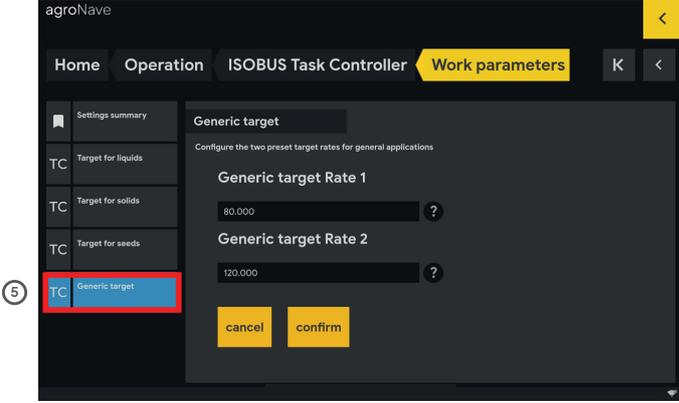
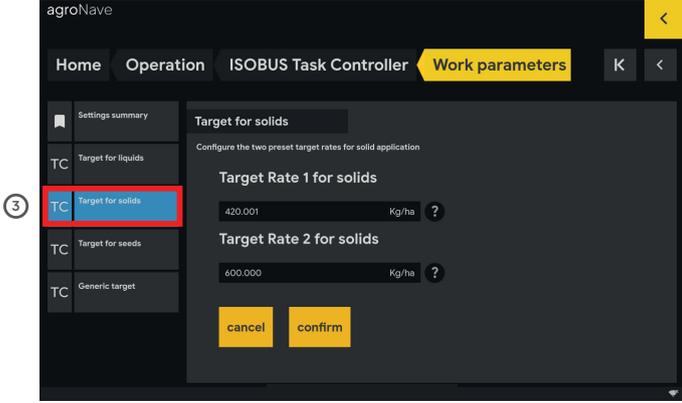
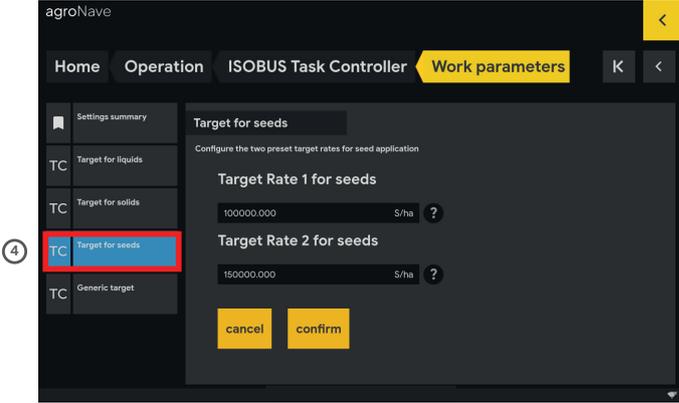
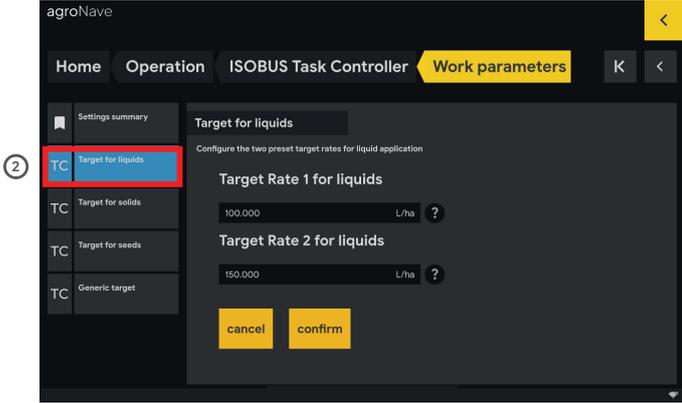


Task parameters - Target rates

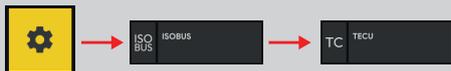
Summarize



Configurable task parameters



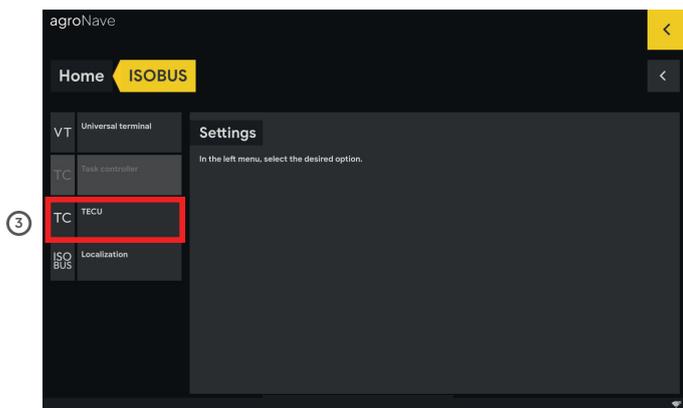
Enabling the tractor ECU - TECU



1

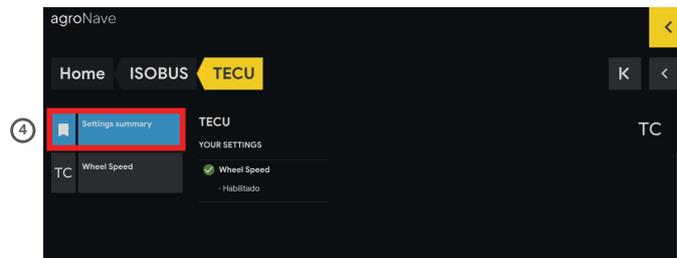
2

3



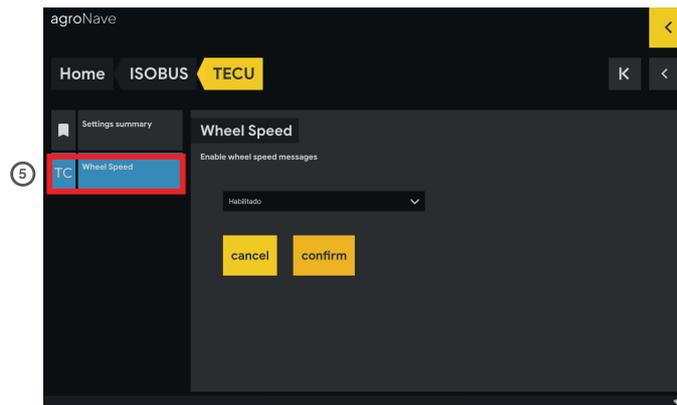
3

Summarize



4

Wheel speed

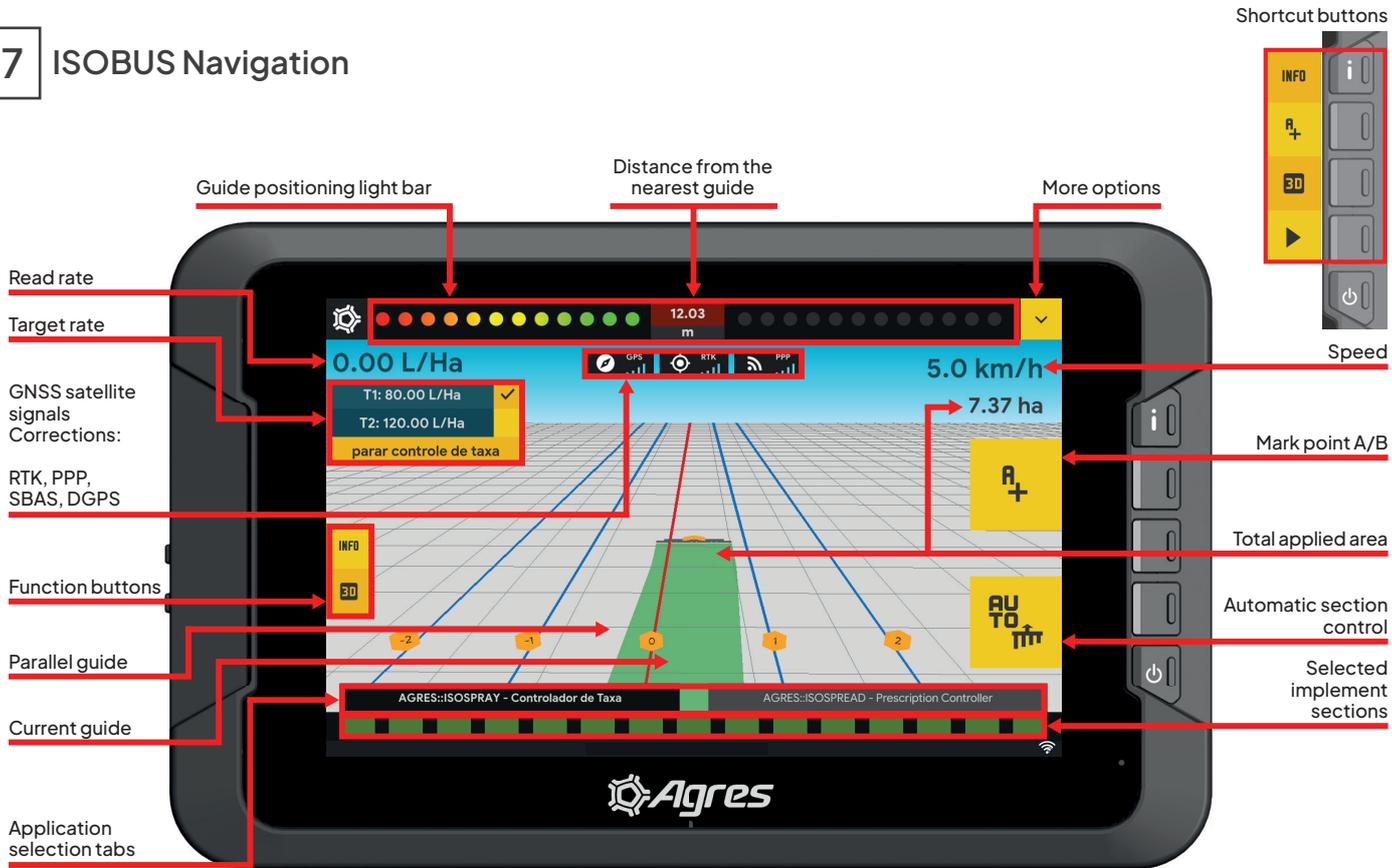


5



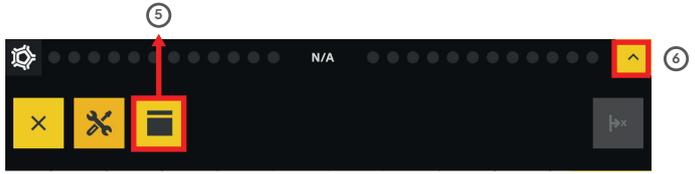
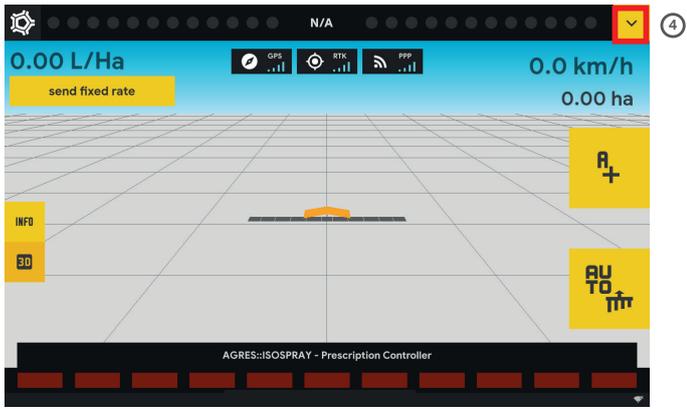
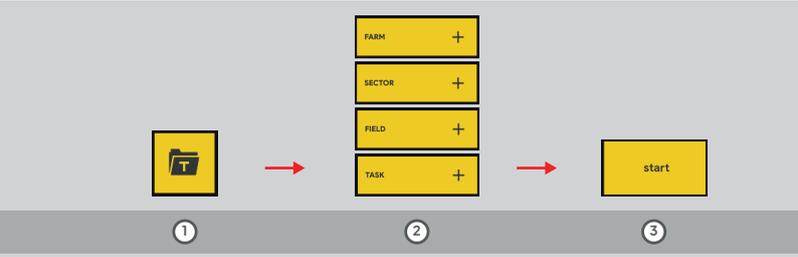
If the tractor already has any ISOBUS predisposition, this option should be deactivated. Consult the Dealer if you have any doubts.

17 ISOBUS Navigation

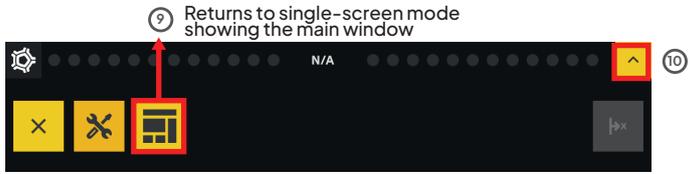
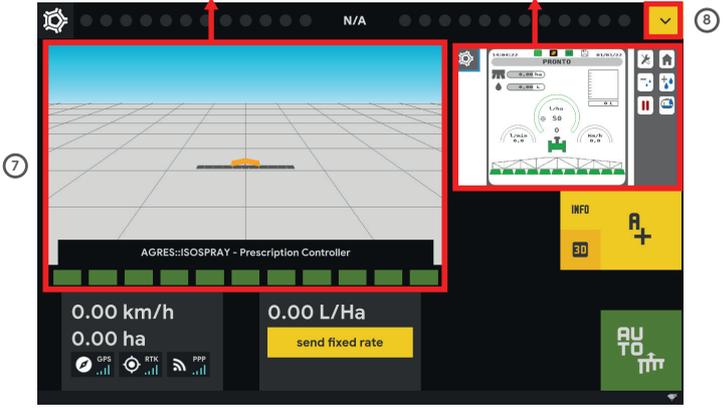


MULTISCREENS

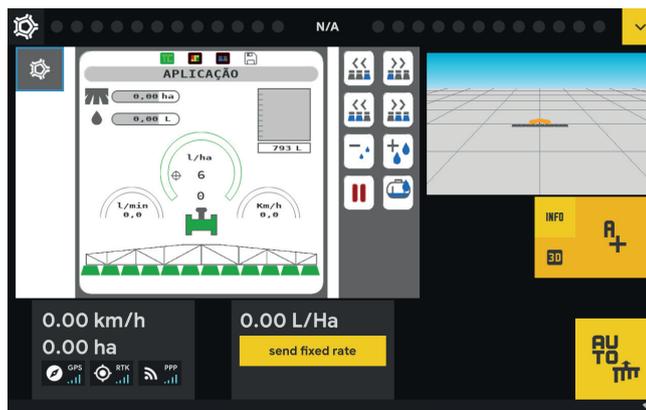
Configuration and operation of agroNave and ISOBUS implements in multi-screen mode.



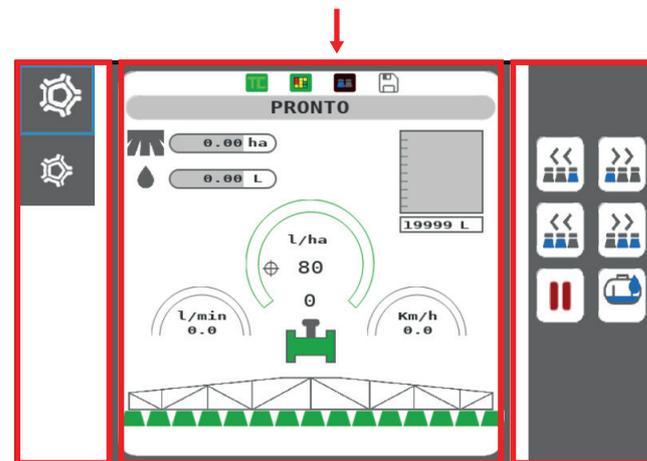
Main window, where it's possible to interact with the application Secondary window, click to make it the main window



Example of multitouch on VT



Main operating area of the implement



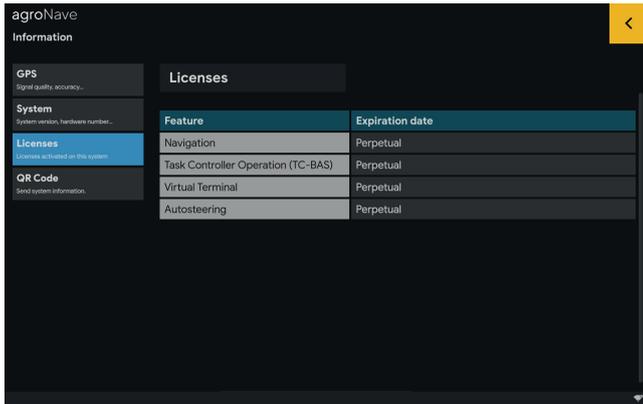
Connected ISOBUS implements

Area of buttons with implement functions

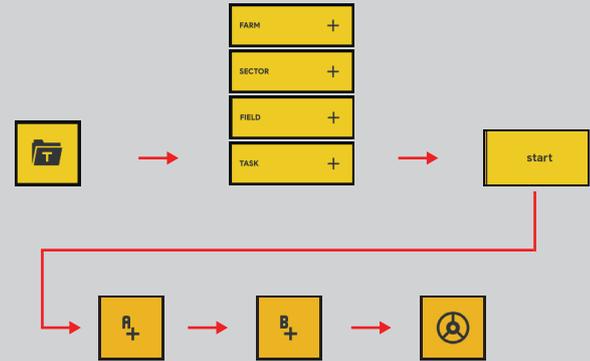


Each ISOBUS equipment may present different options on the VT/UT screen. Refer to the specific manual.

18 Autopilot

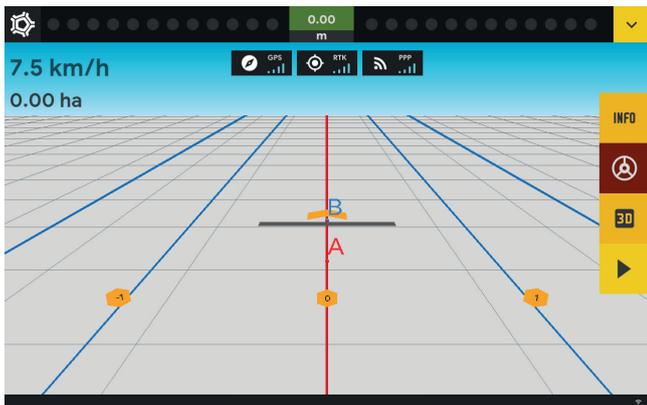


 The Autopilot must be installed, licensed, and properly configured. Check with the Dealer.

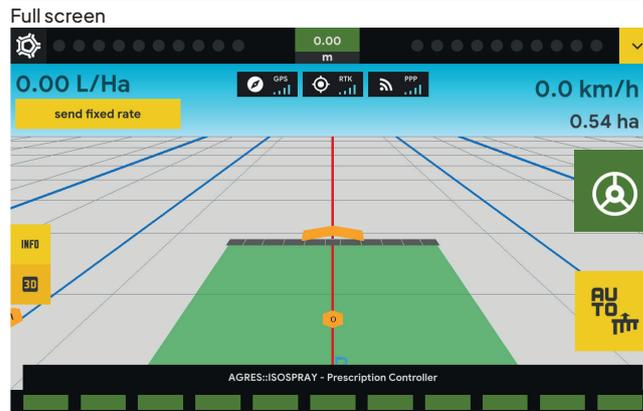
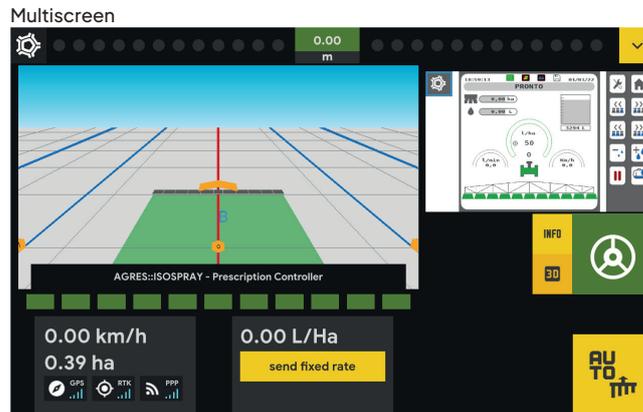


-  Autopilot disengaged but ready for engagement
-  Autopilot disengaged with restriction for engagement
-  Autopilot engaged

Autopilot without ISOBUS

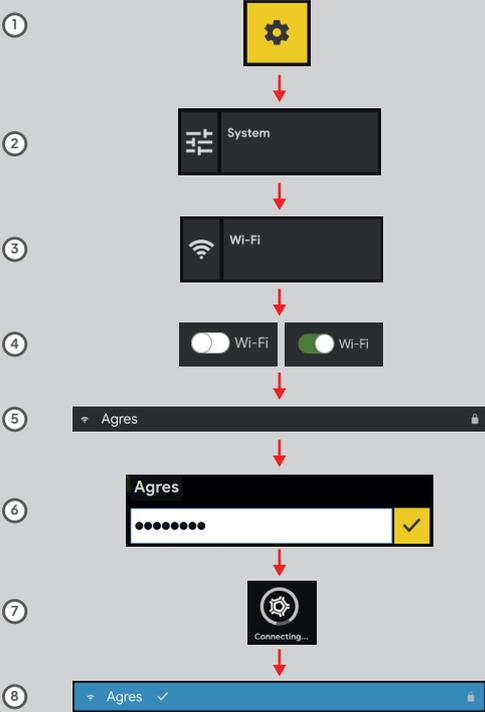


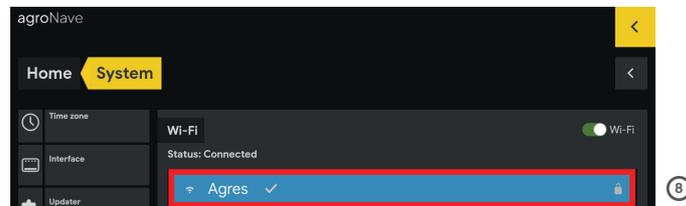
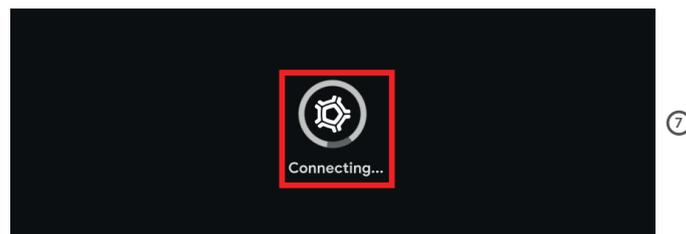
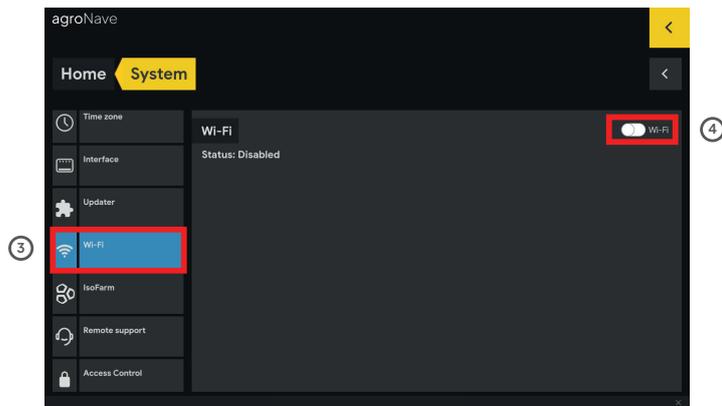
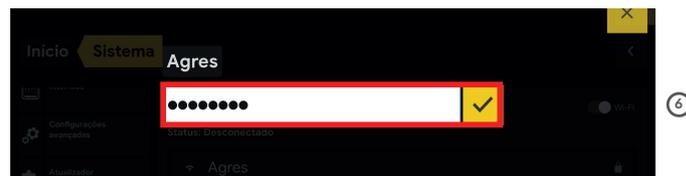
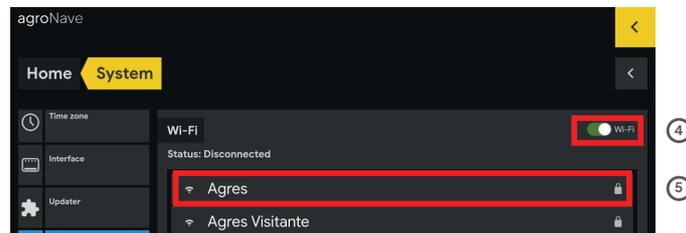
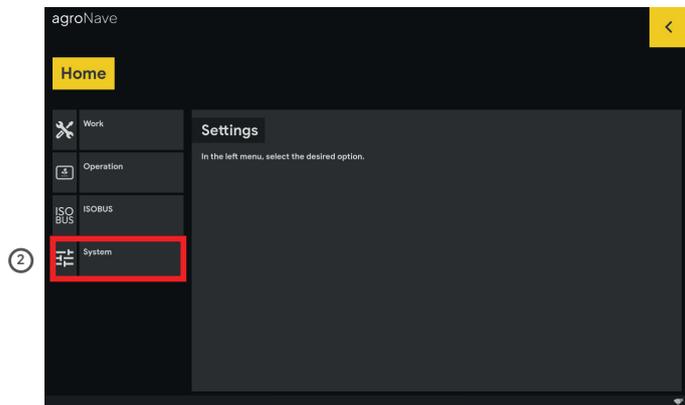
Autopilot with ISOBUS



19 Wi-Fi

CONNECTING TO WI-FI

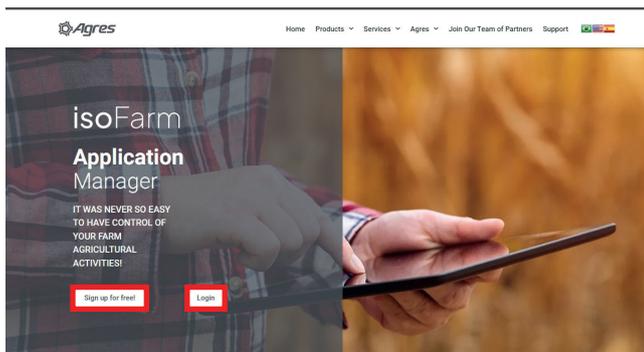




20 Application Manager – Isofarm

ACCESS OR CREATE AN ACCOUNT

- ① Access: www.isoFarm.com.br
- ② 2) Sign up/Login on the platform*



<p>NAVIGATION VIEW</p> <p>Load the navigation file of your Agres equipment and have all the information about the operations, as well as the application, speed and transfer maps, in a single screen.</p>	<p>WEATHER FORECAST</p> <p>Get access to weather data for your region and count on the spray operation indicator to know the best time to apply.</p>
<p>FLEET MONITORING</p> <p>Get real-time access to the operation being performed through the Agres Telemetry system.</p>	<p>NAVIGATION REPORT</p> <p>Generate the complete report of the work performed containing machine operation and configuration information in PDF format.</p>

FEATURES OF THE APPLICATION MANAGER

Join

③ Platform registration

④ Platform login

* To use the platform, you will need to accept the Terms of Service and Privacy Policies, which explain the handling of data.

EXPORT FILES FROM AGRONAVE

To the USB C PenDrive

On the agroNave

Insert the PenDrive
(NOT INCLUDED IN THE KIT)



②

Insert the USB C PenDrive

①



②



③



④



⑤



⑥



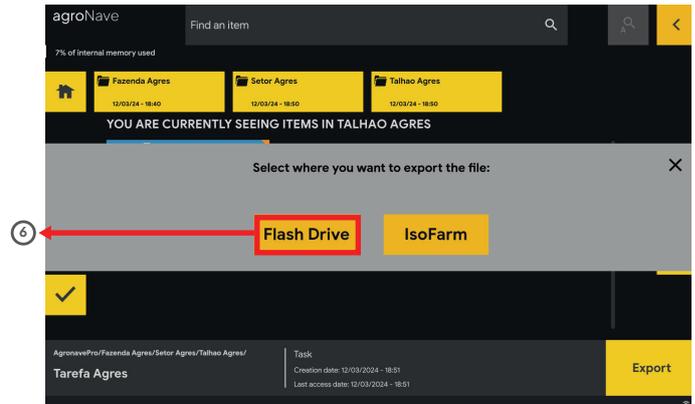
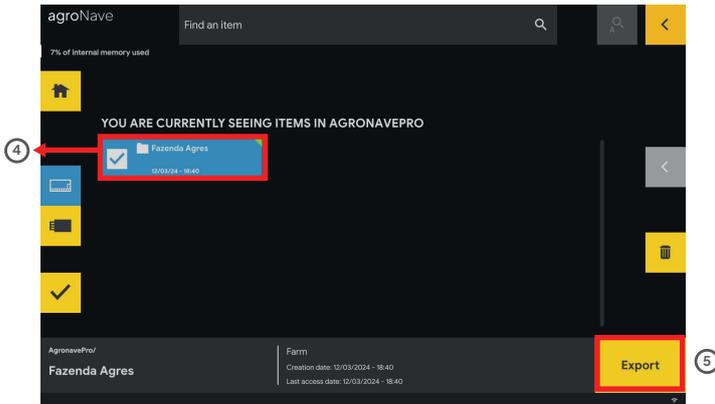
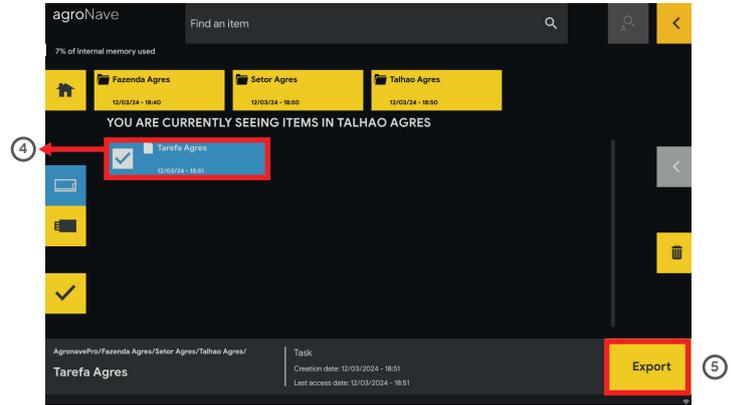
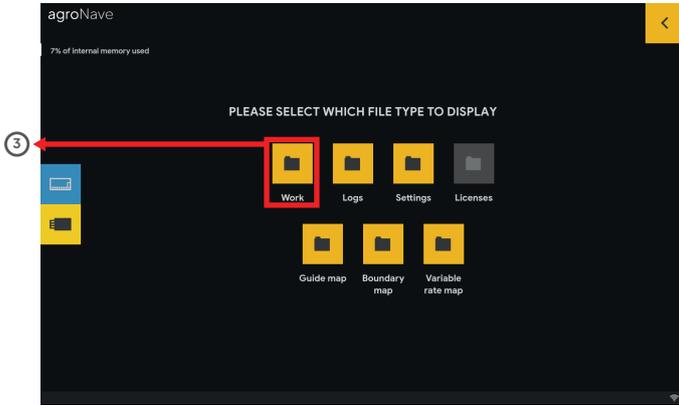
⑦

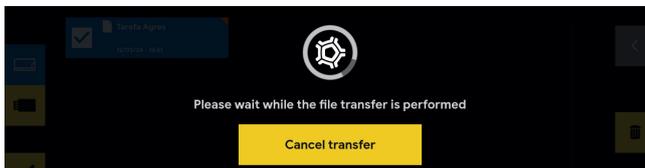


⑧



Remove the PenDrive

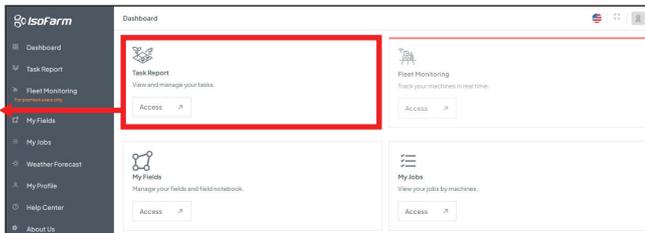




7

On isoFarm

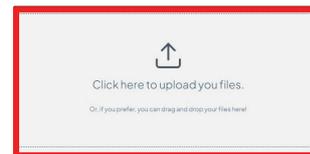
- 1 Connect the pen drive and click on **Task Report**
- 2 Click on **Send Tasks**
- 3 Select the desired task file
- 4 Click on the report and view the task result
- 5 View the report of the task performed



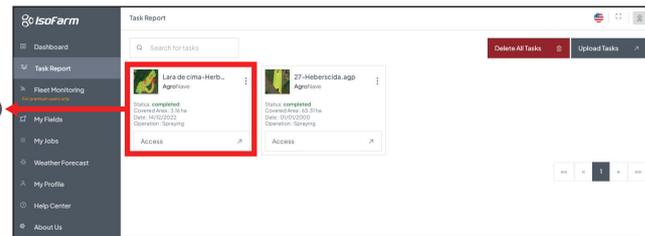
1



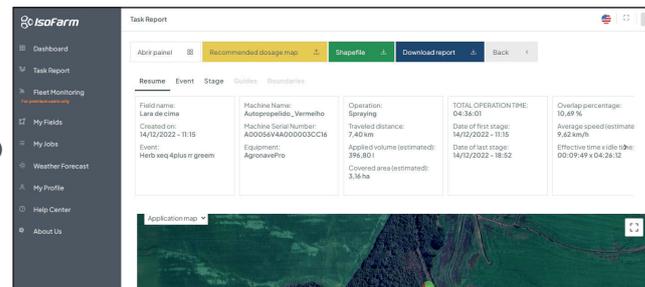
2



3



4

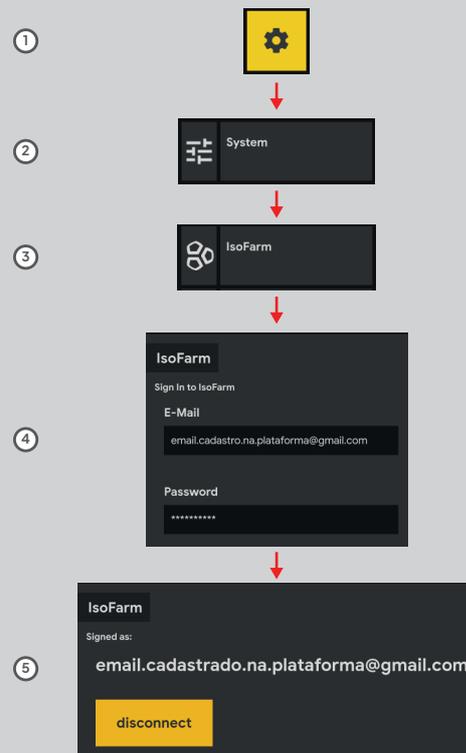


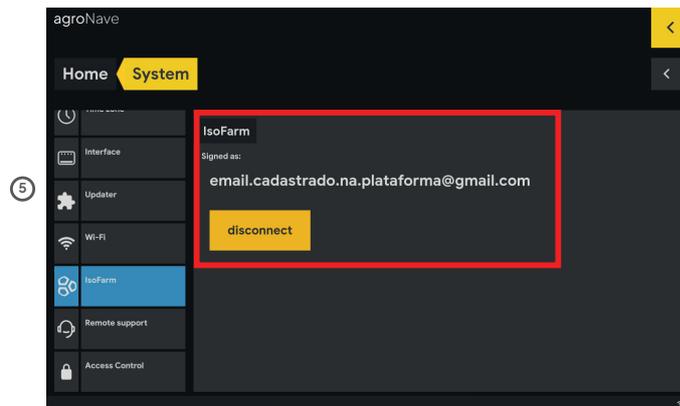
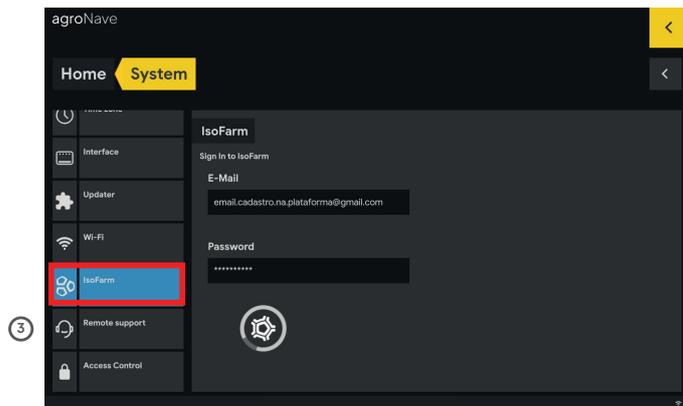
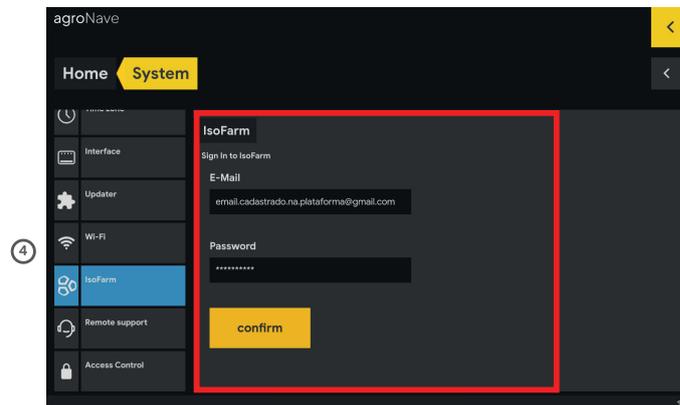
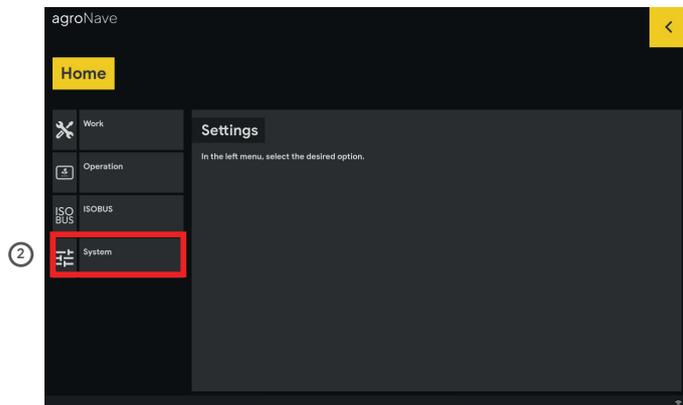
5

Direct to isoFarm

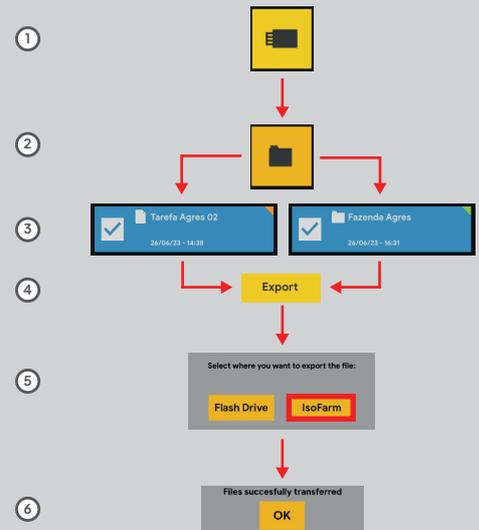
On agroNave - Connect to your isoFarm account

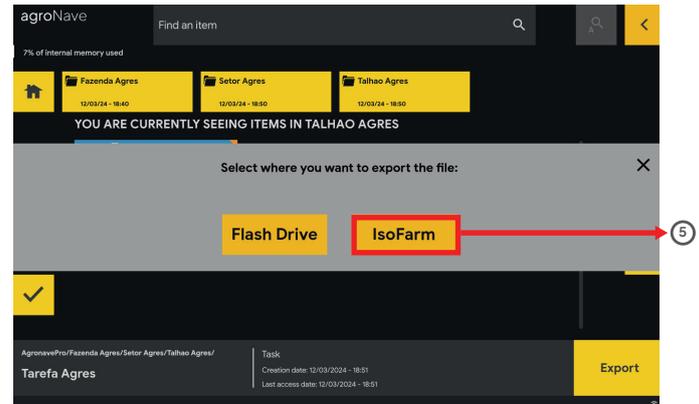
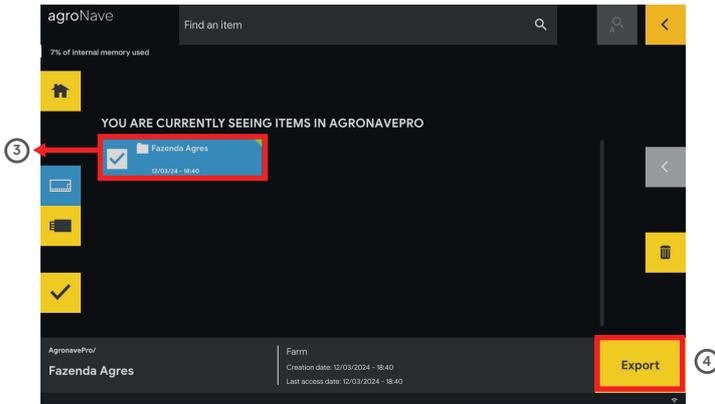
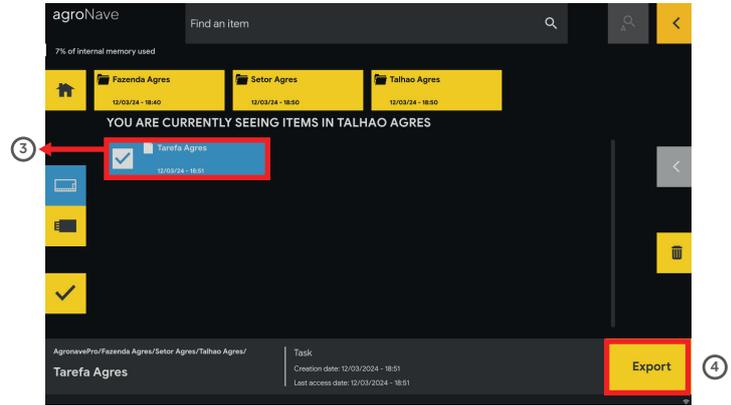
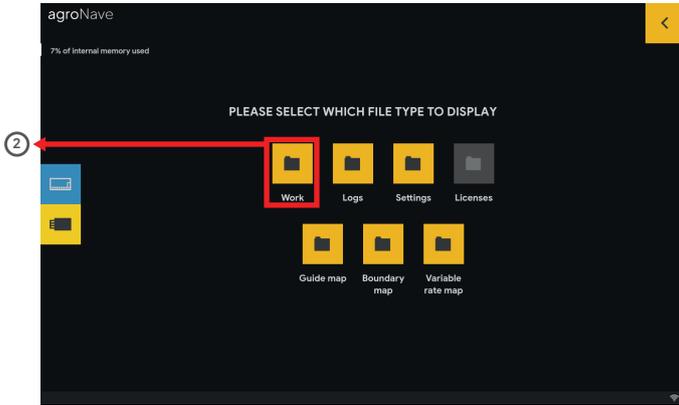
Select the task files to export to IsoFarm

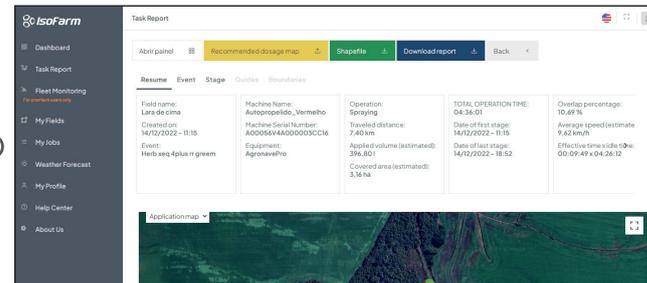
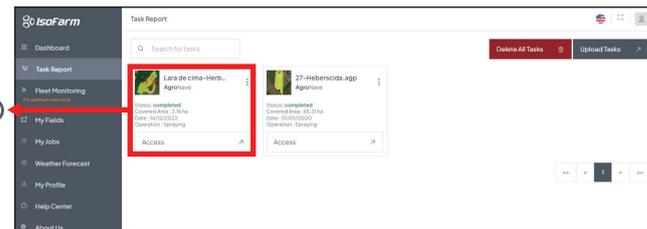
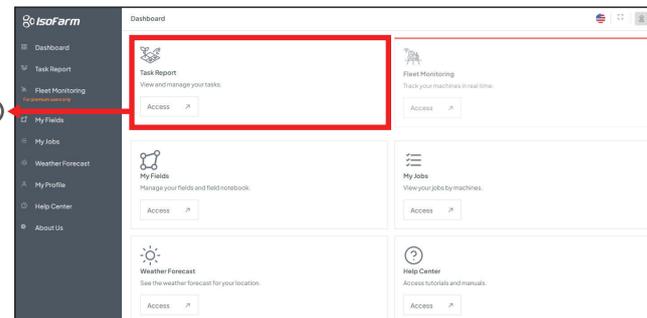
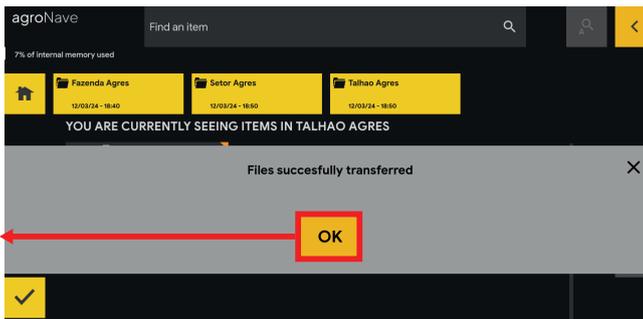
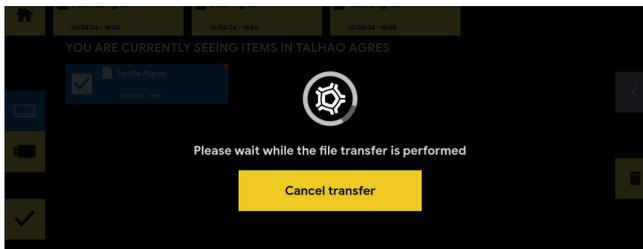




On agroNave - Select the files







On isoFarm

- ① Click on Task Report
- ② Click on the desired imported report
- ③ View the result of the task performed

LIMITED WARRANTY STATEMENT

1. AGRES SISTEMAS ELETRÔNICOS S/A warranties and guarantees that the machinery, equipment and services sold are free from manufacturing defects according to the following periods:

- (i) Twelve (12) months for machinery and equipment;
- (ii) Ninety (90) days for parts;
- (iii) Ninety (90) days for services.

2. The machinery and equipment warranty will be enforced only upon presentation of the following documents:

- (i) Invoice issued within the last twelve (12) months, with explicit reference to the serial number of the equipment, if not issued by Agres Sistemas Eletrônicos S/A; and
- (ii) the completed form sending the equipment for maintenance.

3. The parts warranty will be enforced only upon presentation of the following documents:

- (i) Invoice issued within the last ninety (90) days, with explicit reference to the serial number of the equipment, if not issued by Agres Sistemas Eletrônicos S/A; and
- (ii) the completed form sending the equipment for maintenance.

4. All services, repairs and maintenance must be exclusively conducted by Agres Sistemas Eletrônicos S/A. The warranty will be enforced upon presentation of the invoice issued by Agres Sistemas Eletrônicos S/A within ninety (90) days.

5. In order to request a warranty enforcement, the customer must:

- i) comply with all requirements set forth in this Limited Warranty;
- ii) send the specified documents in this Limited Warranty Statement, as well as the equipment and parts, to Agres Sistemas Eletrônicos – Rua Oswaldo Stephanes, 84, Curitiba, state of Paraná, Brazil, 81.560-285, +55 (41) 3132.3300;
- iii) deliver the equipments and parts in an appropriate packaging that

maintains the integrity of the equipment or parts, and all the accessories in proper condition; and (iv) attach a written report detailing the failures and anomalies of the equipment or part.

iv) attach a written and detailed report of the equipments or parts failures and/or anomalies.

6. The warranty will only be enforced after diagnostic tests are conducted by Agres Sistemas Eletrônicos S/A.

7. Damages, defects, or failures arising from the improper use of the equipment or parts and from acts or omissions by the customer or any third party are excluded from the warranty and not covered in form. The warranty is not applied to any equipment or parts not supplied by Agres Sistemas Eletrônicos S/A, its authorized distributors, or resellers. No other warranties, other than the presente, whether explicit or implied, of any kind, are granted by Agres Sistemas Eletrônicos S/A.

8. Agres Sistemas Eletrônicos S/A liability is limited to the repair or replacement of the defective equipment, part, or services with failures and/or anomalies.

9. Agres Sistemas Eletrônicos S/A shall not, in any case, be liable for any losses and damages, lost profits, and/or indirect damages arising from or in connection with the supply of equipment, parts, or services. Agres Sistemas Eletrônicos S/A liability is limited to the fulfillment of this Limited Warranty Statement and, in any case, shall not exceed the amount paid as consideration for the equipment or parts delivered and/or services performed.

10. Agres Sistemas Eletrônicos S/A shall not be held liable for indemnifying losses resulting from force majeure, Acts of God, and circumstances beyond its reasonable control.

A versão mais recente
deste documento pode ser
acessada em Qrcode

*The latest version of this document
can be accessed via QR code.*



agroNave7 | V1.0 | Abril 2024 | SAP 101030701106



Agres Sistemas Eletrônicos S/A

Av. Comendador Franco, 6720

Uberaba - 81560-000

Curitiba - PR - Brasil

www.agres.com.br