精准饲喂器平台接口文档

版本号	日期	描述
V 2.0	2023-09-20	文档发布

声明

本手册的版权归江西增鑫科技有限公司所有，并保留所有的权利。本公司保留随时更改本手册的权利，恕不另

行通知。

本手册的任何一部分未经过本公司明确的书面授权,任何其他公司或个人均不允许以商业获利目的来复制、

抄袭、翻译或者传播本手册。

订购产品前，请向本公司详细了解产品性能是否符合您的要求。产品并不完全具备本手册的所描述的功能，客户

可根据需要增加产品的功能，具体情况请跟本公司的技术员或业务员联系。

本手册提供的资料力求准确和可靠。然而，本公司对侵权使用本手册而造成后果不承担任何法律责任。

1、接口返回状态码

状态码	说明
200	OK
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

2、登入接口返回 token

请求数据类型 application/json

请求方式：POST

请求 URL： http://xxxxxxxx:xx /feed/api/admin/appLogin

请求示例

```
{
    "password": "",
    "username": ""
}
```

请求参数

参数名称	参数说明	是否必须	数据类型
password	密码	True	string
username	用户名	True	string

响应参数

参数名称	参数说明	类型
code		integer(int64)
data		object
message		string

响应示例


```
{
  "code": 200,
  "message": "操作成功",
  "data": {
    "tokenHead": "Bearer ",
    "token":
"eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJsaXVqaWFuZmVuZyIsImNyZWF0ZWQiOjE2OTUyMDA1NzgyNzIsIm
V4cCI6MTY5NTI4Njk3OH0.6vw3MlGCb1lIrhnjxE6ItPz5_gPPHw0dZ4UuL4HFhEfyMYKB3lghjnnHcu7WUU
YDu5KQqvaMirKOvFKEnSFYUw"
  }
}
```

3、饲喂器消息

3.1 查询饲喂器实时上报数据

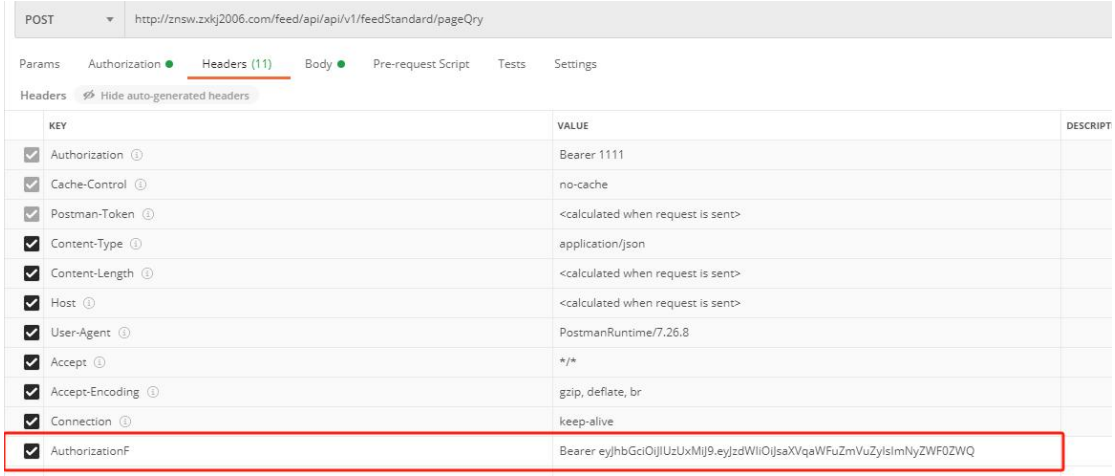
请求数据类型　application/json

请求方式：POST

请求 URL：　http://xxxxxxxx:xx /feed/api/mqtt/pageQryRealtime

Header

header	必选	类型	说明
AuthorizationF	是	string	无



请求示例

```
{
    "createTime": [],
    "fdQrcode": "",
    "fenceNum": 0,
    "gatewayIp": "",
    "gatewayNo": "",
    "topic": "",
    "uploadType": ""
    "pageNum":"",
    "pageSize":""
```

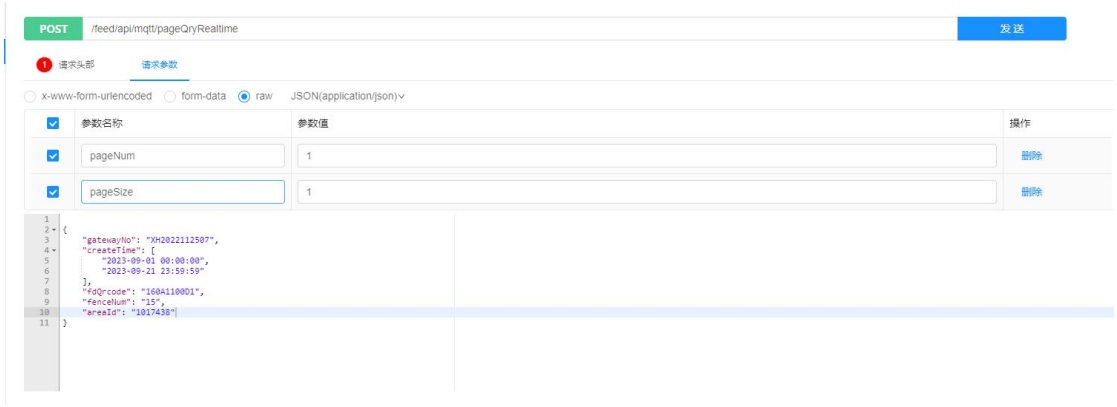
```
}
```

带参数请求示例

```
{
    "gatewayNo": "XH2022112507",
    "createTime": [
        "2023-09-01 00:00:00",
        "2023-09-21 23:59:59"
    ],
    "fdQrcode": "160A1100D1",
    "fenceNum": "15",
    "areaId": "1017438",
    "pageNum":1,
    "pageSize":5
  }
```

请求参数:

参数名	必选	类型	说明
createTime	否	array	时间数组
fdQrcode	否	string	二维码
fenceNum	否	integer(int32)	栏号
gatewayNo	否	string	网关名称
pageNum	是	integer(int32)	多少页
pageSize	是	integer(int32)	多少条
areaId	是	String	区域 id



成功响应示例

```
{
  "code": 200,
  "message": "操作成功",
  "data": {
    "records": [
```

{
"getwayId": "XH2022112507",
"fdQrcode": "160A1100D1",
"fdQrcodeOriginal": "22,10,17,0,209,0,0",
"zkAdrId": 1,
"zjAdrId": 0,
"devTime": "9,15",
"fdAdrId": 15,
"fenceNum": 15,
"touchTime": null,
"lopBuf": 100,
"intFdWeight": 66,
"intDwWeight": 18,
"forceFood": 3,
"forceWater": 6,
"zkAlram": "0.30",
"zkWater": "0.60",
"zjAlram": 0,
"swAlram": 0,
"lairagDayold": 87,
"dayOld": 271,
"fdType": 5,
"pigletNum": 20,
"parity": 0,
"backfat": 0,
"bodyType": 10,
"fwDay":
"80,80,80,80,80,80,80,80,80,80,80,80,80,80,80,80,80,80,80,80,80,80,80,80,80,80,80,80,
80,80,80,80,80,80,80,80",
"ftNum": 6,
"fdTime": "2,0,7,50,10,50,14,0,17,0,20,0,3,0,9,0,12,0,15,10,18,10,21,0",
"ftDay": "10,20,20,20,20,10",
"ftDays": "10,20,20,20,20,10,0,0,0,0,0,0,0,0,0",
"fodderSg": 65,
"layingoffPercent": null,
"feedwaterRatio": 26,
"feedwaterRatios":
"28,28,28,28,28,28,28,28,28,28,28,28,28,28,28,28,28,28,28,28,28,28,28,28,28,28,28,28,
28,28,28,28,28,28,28,28",
"feedwaterInterval": 0,
"fmEach": 3,
"swTime": null,
"ysTime": 30,
"dmEach": 6,

"maxWatert": 25,
"operationState": 1,
"fdCheckType": 1,
"createTime": "2023-09-21 09:15",
"fdTimes":
"0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0",
"module": null,
"ffGears": null,
"ffGearsPercent": null,
"dayDeliver": 3,
"pigletK1": 0,
"fmUpLimit": null,
"healthySd": null,
"sendMedicine": 0,
"healthy": 1,
"lowFeed": 0,
"highFeed": 0,
"lowDrinking": 0,
"highDrinking": 0,
"weekPig": 0,
"diseasePig": 0,
"ftWater": "1,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0",
"weightGuide": 5,
"hfenables": 0
}
],
"total": 1062,
"size": 1,
"current": 1,
"orders": [],
"optimizeCountSql": true,
"hitCount": false,
"countId": null,
"maxLimit": null,
"searchCount": true,
"pages": 1062
}
}

3.2 查询饲喂器下发日志

请求数据类型 application/json

请求方式： POST

请求 URL： http://xxxxxxxx:xx /feed/api/mqtt/pageQryMqttLog

Header

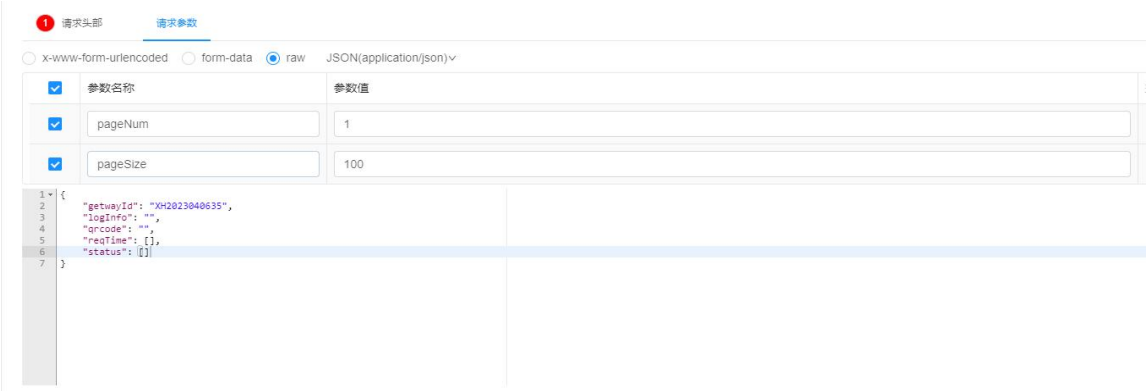
header	必选	类型	说明
AuthorizationF	是	string	无

请求示例

```
{
    "getwayId": " XH2023040635",
    "logInfo": "",
    "qrcode": "",
    "reqTime": [],
    "status": []
}
```

请求参数:

参数名	必选	请求类型	类型	说明
getwayId	否	body	array	网关 id
logInfo	否	body	string	日志信息
qrcode	否	body	integer(int32)	饲喂器编码
reqTime	否	body	string	创建时间
status	是	body	integer(int32)	响应集合 (-1 未响应,0 响应正常，1 响应异常,2 已重发待反馈 3 重发失败
pageNum	是	query	integer(int32)	多少页
pageSize	是	query	integer(int32)	多少条



成功响应示例

{
"code": 200,
"message": "操作成功",
"data": {
"records": [
{
"qrcode": "1707150002",
"logInfo": "饲喂工艺下发",
"getwayId": "XH2023040635",
"uuid": "b902202a-8560-4225-a6f0-b8cb507af66c",
"topic": "zx/feeder/issue/XH2023040635",
"request":
"{\"ss\":1695257306,\"data\":[{\"createTime\":1695257306829,\"fdAdrId\":10,\"fdQrcode\":\"1707150002\",\"feedwaterRatios\":\"20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20\",\"fwDay\":\"2,1,1,2,4,4,5,5,3,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19\",\"lairagDayold\":10,\"module\":3}],\"uuid\":\"b902202a-8560-4225-a6f0-b8cb507af66c\",\"ts\":1695257306829}",
"response":
"{\"data\":[],\"uuid\":\"b902202a-8560-4225-a6f0-b8cb507af66c\",\"ts\":1695257307}",
"reqTime": "2023-09-21 08:48:26",
"resTime": "2023-09-21 08:48:27",
"status": 0,
"retryCount": 0,
"operator": "system"
},
{
"qrcode": "1707150002",
"logInfo": "猪只信息下发",

"getwayId": "XH2023040635",
"uuid": "3ad4e061-e0fd-431d-94b9-6ece171f3b84",
"topic": "zx/feeder/issue/XH2023040635",
"request":
"{\"ss\":1695257306,\"data\":[{\"backfat\":0,\"bodyType\":30,\"createTime\":1695257306816,\"dayOld\":13,\"fdAdrId\":10,\"fdQrcode\":\"1707150002\",\"fdType\":4,\"healthy\":1,\"lairagDayold\":10,\"module\":2,\"parity\":0,\"pigletNum\":50,\"sendMedicine\":0,\"zjAlram\":0}],\"uuid\":\"3ad4e061-e0fd-431d-94b9-6ece171f3b84\",\"ts\":1695257306828}",
"response":
"{\"data\":[],\"uuid\":\"3ad4e061-e0fd-431d-94b9-6ece171f3b84\",\"ts\":1695257307}",
"reqTime": "2023-09-21 08:48:26",
"resTime": "2023-09-21 08:48:26",
"status": 0,
"retryCount": 0,
"operator": "system"
}
],
"total": 1088,
"size": 1,
"current": 1,
"orders": [],
"optimizeCountSql": true,
"hitCount": false,
"countId": null,
"maxLimit": null,
"searchCount": true,
"pages": 1088
}
}

3.3 查询饲喂器异常日志

请求数据类型 application/json

请求方式：POST

请求 URL： http://xxxxxxxx:xx /feed/api/mqtt/mqtt/pageQryMqttErrorLog

Header

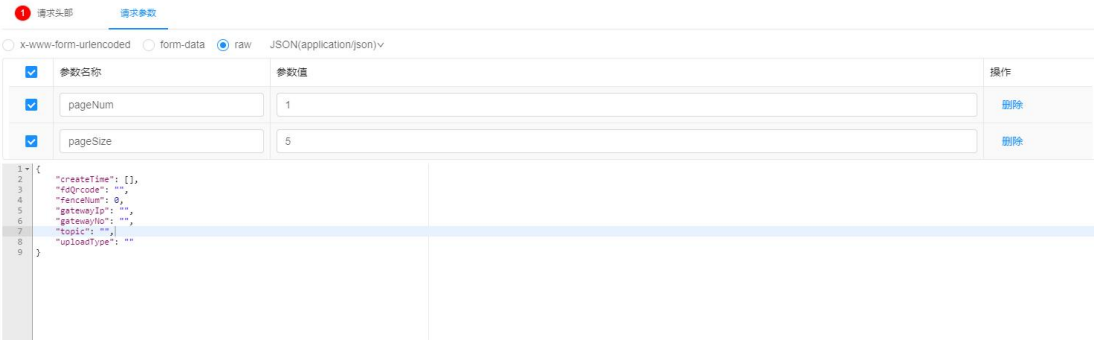
header	必选	类型	说明
AuthorizationF	是	string	无

请求示例

```
{
    "createTime": [],
    "fdQrcode": "",
    "fenceNum": 0,
    "gatewayIp": "",
    "gatewayNo": "",
    "topic": "",
    "uploadType": ""
}
```

请求参数:

参数名	必选	请求类型	类型	说明
createTime	否	body	array	创建时间
fdQrcode	否	body	string	二维码
fenceNum	否	body	integer(int32)	栏号
gatewayIp	否	body	string	网关上报地址
gatewayNo	否	body	string	网关编号
topic	否	body	string	话题
uploadType	否	body	integer(int32)	上传类型
pageNum	是	query	integer(int32)	多少页
pageSize	是	query	integer(int32)	多少条



成功响应示例

```
{
```

"code": 200,

"message": "操作成功",

"data": {
"records": [
{
"topic": "zx/feeder/upload/XH2023011009",
"request": "{\"data\":[] }",

"errorMsg": “”,

"createTime": "2023-09-21 10:39:53"
}
],
"total": 1685,
"size": 1,
"current": 1,
"orders": [],
"optimizeCountSql": true,
"hitCount": false,
"countId": null,
"maxLimit": null,
"searchCount": true,
"pages": 1685
}}

3.4 查询网关上传日志

请求数据类型 application/json

请求方式：POST

请求 URL： http://xxxxxxxx:xx /feed/api/mqtt/pageQryMqttGatewayUpLog

Header

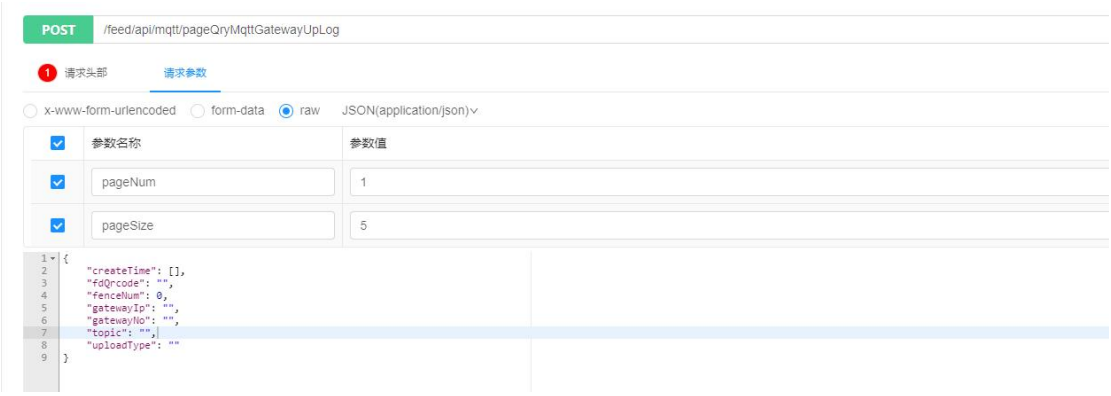
header	必选	类型	说明
AuthorizationF	是	string	无

请求示例


```
{
    "createTime": [],
    "fdQrcode": "",
    "fenceNum": 0,
    "gatewayIp": "",
    "gatewayNo": "",
    "topic": "",
    "uploadType": ""
}
```


请求参数:

参数名	必选	请求类型	类型	说明
createTime	否	body	array	创建时间
fdQrcode	否	body	string	二维码
fenceNum	否	body	integer(int32)	栏号
gatewayIp	否	body	string	网关上报地址
gatewayNo	否	body	string	网关编号
topic	否	body	string	话题
uploadType	否	body	string	上传类型
pageNum	是	query	integer(int32)	多少页
pageSize	是	query	integer(int32)	多少条



成功响应示例


```
{
  "code": 200,
  "message": "操作成功",
  "data": {
    "records": [
```

```
            {
                "topic": "zx/feeder/upload/XH2023011001",
                "request": "{\"data\":[]}",
                "uploadMsg": "",
                "gatewayIp": "XH2023011001",
                "uploadType": "upload",
                "createTime": "2023-09-21 11:01:14"
            }
        ],
        "total": 164324,
        "size": 5,
        "current": 1,
        "orders": [],
        "optimizeCountSql": true,
        "hitCount": false,
        "countId": null,
        "maxLimit": null,
        "searchCount": true,
        "pages": 32865
    }
}
```


4、猪场设置

4.1 区域查询

请求数据类型 application/json

请求方式：POST

请求 URL： http://xxxxxxxx:xx /feed/api/api/v1/area/page

Header

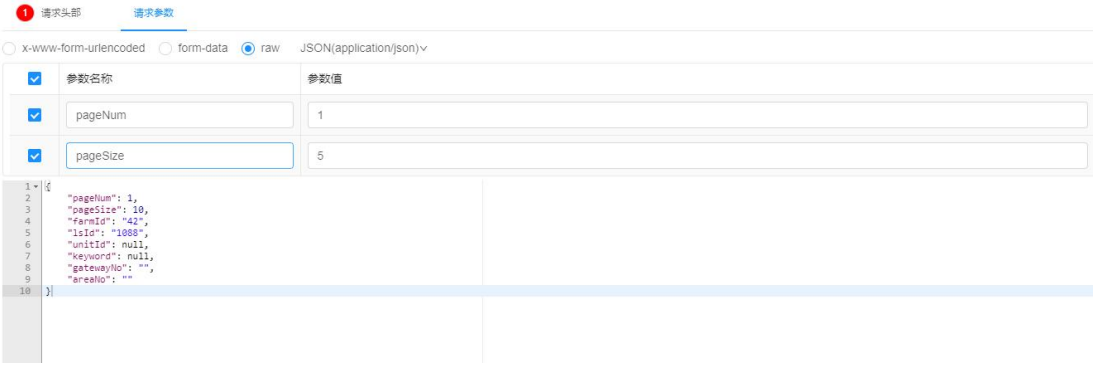
header	必选	类型	说明
AuthorizationF	是	string	无

请求示例

```
{
    "pageNum": 1,
    "pageSize": 10,
    "farmId": "42",
    "lsId": "1088",
    "unitId": null,
    "keyword": null,
    "gatewayNo": "",
    "areaNo": ""
}
```

请求参数:

参数名	必选	请求类型	类型	说明
farmId	否	body	string	创建时间
lsId	否	body	string	二维码
unitId	否	body	string	栏号
keyword	否	body	string	网关上报地址
gatewayNo	否	body	string	网关编号
areaNo	否	body	string	区域编号
pageNum	是	query	integer(int32)	多少页
pageSize	是	query	integer(int32)	多少条



成功响应示例

```
{
  "code": 200,
  "message": "操作成功",
```

"data": {
"records": [
{
"id": "1017450",
"feedTypeId": 168,
"areaNo": "1",
"unitId": "10231",
"enable": 1,
"state": 1,
"isSet": 1,
"feederNum": 34,
"pigNum": 34,
"fenceNums": 34,
"sweepFeederNumber": 0,
"createTime": 1671590363000,
"gatewayNo": "XH2022112517",
"gatewayPort": null,
"gatewayIp": null,
"onLine": 1,
"version": "b20230621.1.11",
"unitName": "2 栋—5 单元",
"getwayConnect": 0,
"feedType": {
"id": 168,
"farmId": "42",
"type": "YFS",
"description": "育肥 2#3/4/5/6/7/8",
"foodStartTime": 1,
"zkAlram": 0.3,
"zkWater": 0.6,
"waterInterval": 30,
"mealsMaterial": 5,
"mealsMaterialProportion": "20,20,20,20,20",
"mealsMaterialTime": "08:00,11:00,14:00,17:00,20:00",
"mealsMaterialEndTime": "09:00,12:00,15:00,18:00,21:00",
"materialWeightRatio": 0.65,
"feedWaterRatio": 2.8,
"feedWaterInterval": 0,
"fdCheckType": 0,
"fmEach": 0.3,
"dmEach": 0.6,
"maxWatert": 25,

"createTime": 1676688116000,
"updateTime": 1695155057000,
"diseasePig": null,
"weakPig": null,
"healthyLowWater": null,
"healthyHighWater": null,
"healthyLowEat": null,
"healthyHighEat": null,
"jksd": 0,
"ffGearsPercent": "80,90,100,110,120",
"fwFlag": 1,
"fmFeedType": 1,
"fmFeedRatio": 0,
"typeStatus": 0,
"newMealsMaterial": 5,
"newMealsMaterialProportion": "20,20,20,20,20",
"newMealsMaterialTime": "08:00,11:00,14:00,17:00,20:00",
"newMealsMaterialEndTime": "09:00,12:00,15:00,18:00,21:00",
"sendWater": "1,1,1,1,1",
"weightGuide": 0.5
},
"type": null,
"pigNums": null
}
],
"total": 8,
"size": 5,
"current": 1,
"orders": [],
"optimizeCountSql": true,
"hitCount": false,
"countId": null,
"maxLimit": null,
"searchCount": true,
"pages": 2
}
}

4.2 猪场网关查询

请求数据类型 application/json

请求方式：POST

请求 URL: http://xxxxxxxx:xx /feed/api/gateway/list

Header

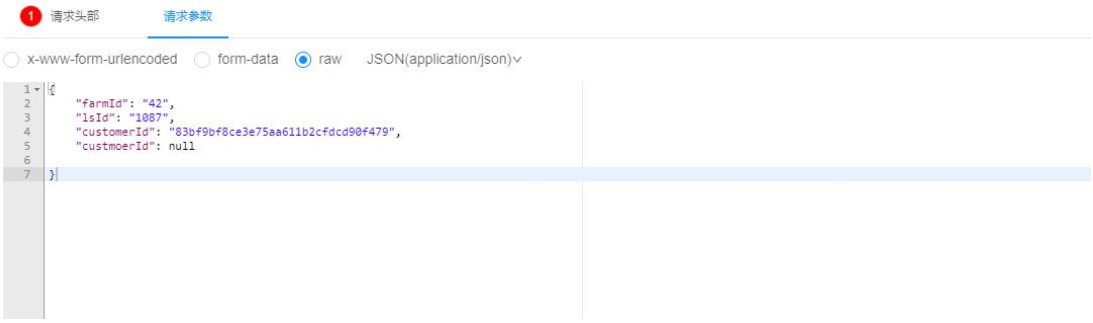
header	必选	类型	说明
AuthorizationF	是	string	无

请求示例


```
{
    "farmId": "42",
    "lsId": "1087",
    "customerId": "83bf9bf8ce3e75aa611b2cfdcd90f479",
    "custmoerId": null
}
```


请求参数:

参数名	必选	请求类型	类型	说明
farmId	否	body	string	猪场 id
lsId	否	body	string	栏舍 id
customerId		body		客户 id
custmoerId		body		



成功响应示例


```
{
  "code": 200,
```

"message": "操作成功",
"data": {
"online": 7,
"offline": 1,
"total": 8,
"data": [
{
"unitId": "10226",
"unitName": "1 栋—8 单元",
"lsName": "育肥_1 栋",
"gateways": [
{
"id": "1017445",
"feedTypeId": 159,
"areaNo": "1",
"unitId": "10226",
"enable": 1,
"state": 1,
"isSet": 0,
"feederNum": 34,
"pigNum": 34,
"fenceNums": 34,
"sweepFeederNumber": 0,
"createTime": 1671531071000,
"gatewayNo": "XH2022112514",
"gatewayPort": null,
"gatewayIp": null,
"onLine": 0,
"version": "b20230621.1.11",
"unitName": null,
"getwayConnect": 0,
"feedType": null,
"type": null,
"pigNums": null
}
]
}
]
}
}

4.3 根据区域查询饲喂类型

请求数据类型 application/json

请求方式：GET

请求 URL： http://xxxxxxxx:xx /feed/api /api/v1/area/load/{id}

Header

header	必选	类型	说明
AuthorizationF	是	string	无

请求参数:

参数名	必选	请求类型	类型	说明
Id	是	body	string	区域 id

成功响应示例


```
{
  "code": 200,
  "message": "操作成功",
  "data": {
    "id": "1017517",
    "feedTypeId": 242,
    "areaNo": "串口网关",
    "unitId": "10278",
    "enable": 1,
    "state": 1,
    "isSet": 1,
    "feederNum": 4,
    "pigNum": 60,
    "fenceNums": 60,
    "sweepFeederNumber": 0,
```

"createTime": 1685701299000,
"gatewayNo": "XH20230426001111",
"gatewayPort": "1893",
"gatewayIp": "47.97.125.216",
"onLine": 0,
"version": null,
"unitName": null,
"getwayConnect": 0,
"feedType": {
"id": 242,
"farmId": "26",
"type": "FMS",
"description": "21312",
"foodStartTime": 1,
"zkAlram": 0.5,
"zkWater": 0,
"waterInterval": 14,
"mealsMaterial": 1,
"mealsMaterialProportion": "100",
"mealsMaterialTime": "09:10",
"mealsMaterialEndTime": "23:30",
"materialWeightRatio": 0.65,
"feedWaterRatio": 0,
"feedWaterInterval": 20,
"fdCheckType": 1,
"fmEach": 1,
"dmEach": 0.9,
"maxWatert": 50,
"createTime": 1687407330000,
"updateTime": 1695148546000,
"diseasePig": 11,
"weakPig": 22,
"healthyLowWater": 10,
"healthyHighWater": 3,
"healthyLowEat": 23,
"healthyHighEat": 20,
"jksd": 0,
"ffGearsPercent": "80,90,100,110,120",
"fwFlag": 1,
"fmFeedType": 1,
"fmFeedRatio": 1,
"typeStatus": 0,
"newMealsMaterial": 1,
"newMealsMaterialProportion": "100",

"newMealsMaterialTime": "09:10",
"newMealsMaterialEndTime": "23:30",
"sendWater": "0",
"weightGuide": 0.5
},
"type": "FMS",
"pigNums": 1
}
}

5、猪场管理

5.1 查询饲喂器

请求数据类型 application/json

请求方式：POST

请求 URL： http://xxxxxxxx:xx /feed/api/api/v1/feeder/pageQry

Header

header	必选	类型	说明
AuthorizationF	是	string	无

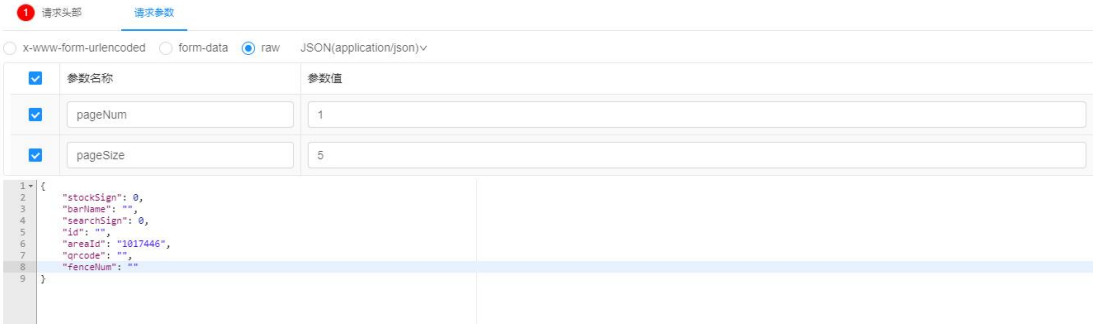
请求示例

{
"stockSign": 0,
"barName": "",
"searchSign": 0,
"id": "",
"areaId": "1017517",
"qrcode": "",
"fenceNum": ""
}

请求参数:

参数名	必选	请求类型	类型	说明

参数名	必选	请求类型	类型	说明
stockSign	否	body	integer(int32)	存栏标识(0 所有,1 存栏 2 空栏
barName	否	body	string	栏舍 id
searchSign	否	body	integer(int32)	全局检索标识(0 否,1 是
areaId	否	body	string	所属区域 id
fenceNum	否	body	integer(int32)	栏号
qrcode	否	body	String	二维码
pageNum	是	query	nteger(int32)	多少页
pageSize	是	query	nteger(int32)	多少条
id	否	body		



成功响应示例


```
{
  "code": 200,
  "message": "操作成功",
  "data": {
    "records": [
      {
        "qrcode": "160A1100D9",
        "maintenanceCycle": null,
        "preMaintenanceDate": "2023-02-04",
        "nextMaintenanceDate": null,
        "feedAdrId": 1,
        "fenceNum": 1,
        "areaId": "1017446",
        "feedStatus": 1,
        "swAlram": 0,
        "globalWaterStatus": 0,
        "source": 0,
        "createTime": "2023-02-04 12:37",
        "updateTime": "2023-09-06 06:16",
```

"earTag": "1675653099578",
"version": "1.3-2308030901",
"fdType": 5,
"gatewayNo": "XH2022112501",
"gatewayAreaNo": "1"
}
],
"total": 34,
"size": 5,
"current": 1,
"orders": [],
"optimizeCountSql": true,
"hitCount": false,
"countId": null,
"maxLimit": null,
"searchCount": true,
"pages": 7
}
}

5.2 查询饲喂类型

请求数据类型 application/json

请求方式：POST

请求 URL： http://xxxxxxxx:xx / feed/api/feedType/page

Header

header	必选	类型	说明
AuthorizationF	是	string	无

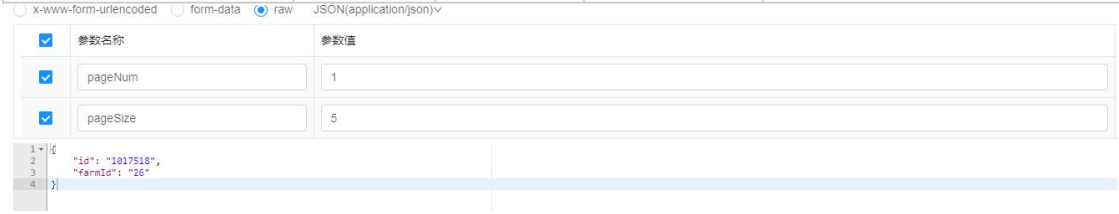
请求实例:

{
"pageNum": 1,
"pageSize": 6,
"id": "1017456",

"farmId": "44"
}

请求参数:

参数名	必选	请求类型	类型	说明
Id	是	body	string	区域 id
farmId	是	body	string	猪场 id
pageNum	是	query	Int	多少页
pageSize	是	query	Int	多少条



成功响应示例

{
"code": 200,
"message": "操作成功",
"data": {
"records": [
{
"id": 147,
"farmId": "26",
"type": "YFS",
"description": "育肥—小房间 1",
"foodStartTime": 1,
"zkAlram": 1.3,
"zkWater": 1.4,
"waterInterval": 1,
"mealsMaterial": 5,
"mealsMaterialProportion": "10,20,35,15,20",
"mealsMaterialTime": "13:45,14:20,14:50,15:20,15:45",
"mealsMaterialEndTime": "14:15,14:45,15:15,15:40,16:05",
"materialWeightRatio": 0.65,
"feedWaterRatio": 2,
"feedWaterInterval": 0,
"fdCheckType": 1,
"fmEach": 0.5,
"dmEach": 1,
"maxWatert": 20,

"createTime": 1665821834000,
"updateTime": 1690263398000,
"diseasePig": 11,
"weakPig": 22,
"healthyLowWater": 20,
"healthyHighWater": null,
"healthyLowEat": 10,
"healthyHighEat": null,
"jksd": 0,
"ffGearsPercent": "80,90,100,110,120",
"fwFlag": 1,
"fmFeedType": 1,
"fmFeedRatio": 2.7,
"typeStatus": 0,
"newMealsMaterial": 5,
"newMealsMaterialProportion": "10,20,35,15,20",
"newMealsMaterialTime": "13:45,14:20,14:50,15:20,15:45",
"newMealsMaterialEndTime": "14:15,14:45,15:15,15:40,16:05",
"sendWater": "1,1,1,1,1",
"weightGuide": 0
},
],
"total": 5,
"size": 5,
"current": 1,
"orders": [],
"optimizeCountSql": true,
"hitCount": false,
"countId": null,
"maxLimit": null,
"searchCount": true,
"pages": 1
}
}

5.3 饲喂器类型实时上报数据

请求数据类型 application/json

请求方式：POST

请求 URL： http://xxxxxxxx:xx / feed/api/feedType/page

Header

header	必选	类型	说明
AuthorizationF	是	string	无

请求实例:


```
{
    "id": "1017456",
    "farmId": "44"
}
```


请求参数:

参数名	必选	请求类型	类型	说明
Id	是	body	string	区域 id
farmId	是	body	string	猪场 id

成功响应示例:


```
{
  "code": 200,
  "message": "操作成功",
  "data": {
    "id": 292,
    "farmId": "44",
    "type": "YFS",
    "description": "饲喂器上传",
    "foodStartTime": 1,
    "zkAlram": 0.5,
    "zkWater": 1,
    "waterInterval": 60,
    "mealsMaterial": 3,
    "mealsMaterialProportion": "30,20,50",
    "mealsMaterialTime": "04:00,10:00,15:00",
    "mealsMaterialEndTime": "08:00,13:00,20:00",
    "materialWeightRatio": 0.68,
    "feedWaterRatio": 2.7,
```

"feedWaterInterval": 0,
"fdCheckType": 0,
"fmEach": 0.5,
"dmEach": 1,
"maxWatert": 50,
"createTime": 1675306926000,
"updateTime": 1694312868000,
"diseasePig": null,
"weakPig": null,
"healthyLowWater": null,
"healthyHighWater": null,
"healthyLowEat": null,
"healthyHighEat": null,
"jksd": 0,
"ffGearsPercent": "80,90,100,110,120",
"fwFlag": 1,
"fmFeedType": 1,
"fmFeedRatio": 0.5,
"typeStatus": 1,
"newMealsMaterial": 3,
"newMealsMaterialProportion": "30,20,50",
"newMealsMaterialTime": "04:00,10:00,15:00",
"newMealsMaterialEndTime": "08:00,13:00,20:00",
"sendWater": "1,1,1",
"weightGuide": 0
}
}

5.4 查询饲喂标准

请求数据类型 application/json

请求方式：POST

请求 URL： http://xxxxxxxx:xx / feed/api /api/v1/feedStandard/pageQry

Header

header	必选	类型	说明
AuthorizationF	是	string	无

请求实例:


```
{
    "pageSize": 10,
    "pageNum": 1,
    "standardNo": "",
    "type": "",
    "farmId": "26",
    "areaId": 1
}
```


请求参数:

参数名	必选	请求类型	类型	说明
standardNo	否	body	string	标准名称
type	否	body	string	猪只类型（分娩，配怀，保育，育肥）
areaId	是	query	Int	区域编号
farmId	是	body	string	猪场 id
pageSize	是	body	Int	多少条
pageNum	是	query	Int	多少页

成功响应示例：


```
{
  "code": 200,
  "message": "操作成功",
  "data": {
    "records": [
      {
        "id": 1845,
        "standardNo": "test123 日龄 23",
        "type": "育肥",
        "backfat": 0,
        "bodyFeature": "正常",
        "litterNum": 0,
        "parity": 0,
        "days": 140,
```

"feedingCapacity":
"3,2,4,3,3,2.5,3,3,3,3,3,3,1.5,3,3,2.5,2.5,2.5,2.5,2.5,2.5,2.5,2.5,2.5,2.5,2.5,2.5,2.5,2.5,
2.5,2.5,3,2.5,2.5,2.5,2.5,2.5,2.5,2.5,2.5,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,
6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,
6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,2,6,6,6,6",
"waterCapacity":
"0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,
0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,
0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,
0,0,0",
"priority": 0,
"selected": 108,
"createTime": 1686720930000,
"updateTime": 1694470609000,
"composeStatus": null,
"average": 1,
"age": 1,
"farmId": "26",
"feedMode":
"0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,
0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,
0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,
0,0,0",
"fwDay": null,
"feedWaterRatio":
"1.1,1.2,1.3,1.4,2.1,2.2,2.3,3,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,
2,2,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,
5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,
5,5,5,5,5,5,5,5,5,5"
}
],
"total": 21,
"size": 5,
"current": 1,
"orders": [],
"optimizeCountSql": true,
"hitCount": false,
"countId": null,
"maxLimit": null,
"searchCount": true,
"pages": 5
}
}

5.5 查询猪只每日喂料喂水数据

请求数据类型 application/json

请求方式：POST

请求 URL： http://xxxxxxxx:xx / feed/api /api/v1/api/v1/pig/pageQry

Header

header	必选	类型	说明
AuthorizationF	是	string	无

请求示例：

```
{
    "areaId": "1017517",
    "searchSign": 0
     “pageNum” : 1,
     “pageSize” : 6
}
```

请求参数:

参数名	必选	请求类型	类型	说明
searchSign	否	body	string	全局检索标识(0 否,1 是)
areaId	是	query	Int	区域编号
pageSize	是	body	Int	多少条
pageNum	是	query	Int	多少页

成功响应示例：

```
{
  "code": 200,
  "message": "操作成功",
  "data": {
    "records": [
      {
        "id": 34217,
```

"earTag": "b16944991248971",
"earCard": null,
"fenceNum": 1,
"areaId": "1017517",
"farmId": "26",
"feedCode": "1",
"totalAge": 14,
"transferAge": 14,
"expectedAge": 5,
"feedStandardId": 1961,
"standardNo": "分娩测试 0.3",
"lopBuf": 100,
"pigType": "分娩",
"backfat": 0,
"bodyFeature": "正常",
"litterNum": 10,
"parity": 0,
"feedIndex": 10,
"planFeedingCapacity":
"0.3,0.3,0.3,0.3,0.3,0.3,0.3,0.3,2,2,2.5,2.5,3,3,3.5,3.5,4,4.5,4.5,5.5,5.5,5.5,5.5,5.5,5.5,5.5,5.5,5.5,5.5,5.5,5.5,5.5,5.5,5.5,5.5",
"planWaterCapacity":
"0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0",
"actualFeedingCapacity":
"0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0",
"actualWaterCapacity":
"0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0",
"touchNumCapacity":
"0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0",
"createTime": "2023-09-12 06:12",
"updateTime": "2023-09-21 03:11",
"createUser": null,
"pauseFlag": 0,
"healthy": 1,
"sendMedicine": 0,
"currentFlag": 1,
"ffGears": 3,
"curGears": 3,
"sendStatus": 1,
"matchStatus": 1,
"dayDeliver": 6,

"composeStatus": 3,
"breedingDate": null,
"pigsNum": null,
"average": null,
"age": null,
"childbirth": 1,
"fmEach": 0,
"globalWaterStatus": 0,
"lairagDayold": null,
"sysDeliveryPeriod": 1,
"waterComplete": 1,
"feedComplete": 0,
"childbirthDate": "产后 6 天",
"actuallyWater": 0,
"slitterNum": 0,
"feedWaterRatio":
"1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.
1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1,1.1",
"temperature": null,
"issueStatus": -1,
"sage": 1,
"saverage": 0,
"sbackfat": 0,
"sparity": 0,
"sdays": 35,
"sbodyFeature": "正常",
"scomposeStatus": "正常",
"stype": "分娩"
}
],
"total": 1,
"size": 5,
"current": 1,
"orders": [],
"optimizeCountSql": true,
"hitCount": false,
"countId": null,
"maxLimit": null,
"searchCount": true,
"pages": 1

```
  }
}
```

6、数据分析

6.1 区域统计图表通过栏舍或单元

请求数据类型 application/json

请求方式：POST

请求 URL： http://xxxxxxxx:xx /feed/api /api/v1/data/queryEchartsData

Header

header	必选	类型	说明
AuthorizationF	是	string	无

请求示例：

```
{
  "areaId": "1017517",
  "startDate": "2023-09-15",
  "endDate": "2023-09-21",
  "earTag": "",
  "lsId": "10278",
  "flag": 1
}
```

请求参数:

参数名	必选	请求类型	类型	说明
areaId	是	body	string	区域 id
endDate	是	query	string(date-time)	结束日期
flag	是	body	Int	标志（0,1）
startDate	是	body	string(date-time)	开始日期
earTag	否	body	string	耳标号
lsId	是	body	string	栏舍 id

1 请求头部　请求参数

x-www-form-urlencoded　form-data　raw　JSON(application/json)

```
{
  "areaId": "1017517",
  "startDate": "2023-09-15",
  "endDate": "2023-09-21",
  "earTag": "",
  "lsId": "10278",
  "flag": 1
}
```

成功响应示例：


```
{
  "code": 200,
  "message": "操作成功",
  "data": {
    "title": null,
    "seriesData": [],
    "seriesDatas": [
      {
        "barGap": 0,
        "name": "总饲喂量(Kg)",
        "type": "bar",
        "stack": "总饲喂量(Kg)",
        "data": [
          0,
          0
        ]
      },
      {
        "barGap": 0,
        "name": "总饮水量(L)",
        "type": "bar",
        "stack": "总饮水量(L)",
        "data": [
          0,
          0
        ]
      }
    ],
    "legendVo": {
      "data": [
        "总饲喂量(Kg)",
```

"总饮水量(L)"
]
},
"list": [
{
"unitName": null,
"fenceNum": "1 栏",
"unitFeedCapacity": 0,
"unitFeedWater": 0
},
{
"unitName": null,
"fenceNum": "5 栏",
"unitFeedCapacity": 0,
"unitFeedWater": 0
}
],
"xaxis": [
"1 栏",
"5 栏"
]
}
}

6.2 查询栋舍单元猪只统计表

请求数据类型 application/json

请求方式：POST

请求 URL： http://xxxxxxxx:xx /feed/api /api/v1/data/queryPigStatUnitList

Header

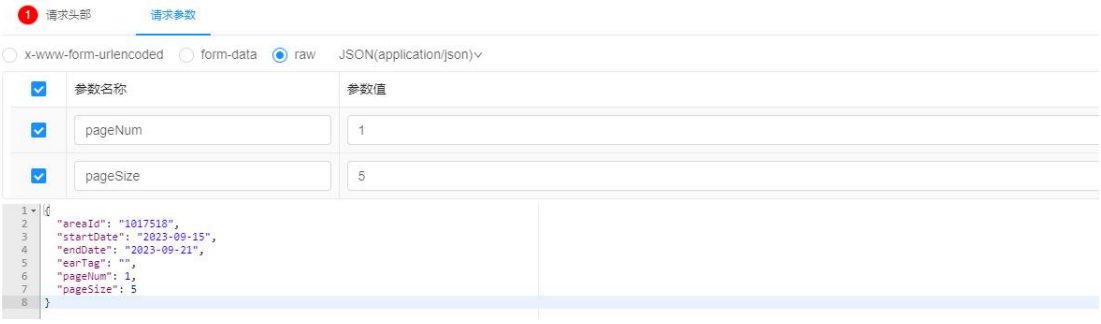
header	必选	类型	说明
AuthorizationF	是	string	无

请求示例：

```
{
  "areaId": "1017518",
  "startDate": "2023-09-15",
  "endDate": "2023-09-21",
  "earTag": "",
  "pageNum": 1,
  "pageSize": 5
}
```

请求参数:

参数名	必选	请求类型	类型	说明
areaId	是	body	string	区域 id
endDate	是	query	string(date-time)	结束日期
flag	是	body	Int	标志（0,1）
startDate	是	body	string(date-time)	开始日期
earTag	否	body	string	耳标号
pageNum	是	query	int	多少页
pageSize	是	query	int	多少条



成功响应示例:

```
{
    "code": 0,
    "data": {
        "current": 0,
        "hitCount": true,
        "pages": 0,
        "records": [
```

```
            {
                "average": 0,
                "backfat": 0,
                "beforeTransferAge": 0,
                "bodyFeature": "",
                "dayFeedCapacityTotal": 0,
                "dayWaterCapacityTotal": 0,
                "days": 0,
                "earTag": "",
                "expectedAge": "",
                "expectedAgeName": "",
                "feedCapacity": 0,
                "feedDateOne": "",
                "feedWater": 0,
                "feedWaterRatio": "",
                "fenceNum": "",
                "id": 0,
                "litterNum": 0,
                "parity": 0,
                "pigNum": 0,
                "pigNumberTotal": 0,
                "totalAge": 0,
                "totalFeed": 0,
                "totalWater": 0,
                "transferAge": 0
            }
        ],
        "searchCount": true,
        "size": 0,
        "total": 0
    },
    "message": ""
}
```


6.3 区域详情记录统计折线图

请求数据类型 application/json

请求方式：POST

请求 URL： http://xxxxxxxx:xx /feed/api /api/v1/data/areaDetailsData

Header

header	必选	类型	说明
AuthorizationF	是	string	无

请求示例：

```
{
    "recordId": 34217,
    "startDate": "2023-09-12",
    "endDate": "2023-09-21"
}
```

参数名	必选	请求类型	类型	说明
endDate	是	body	string(date-time)	结束日期
startDate	是	body	string(date-time)	开始日期
recordId	是	body	integer(int32)	饲喂记录 id

请求参数:

成功响应示例:

```
{
    "code": 0,
    "data": {
        "legendVo": {
            "data": []
        },
        "list": [],
        "seriesData": [],
        "seriesDatas": [
            {
                "barGap": 0,
                "data": [
```

```
                {}
            ],
            "name": "",
            "stack": "",
            "type": ""
        }
    ],
    "title": "",
    "xaxis": []
},
"message": ""
}
```


6.4 查询猪只饲喂记录详情

请求数据类型 application/json

请求方式：GET

请求 URL： http://xxxxxxxx:xx /feed/api /api/v1/data/queryPigRecordDetails/{earTag}

Header

header	必选	类型	说明
AuthorizationF	是	string	无

请求示例：

请求参数

参数名称	参数说明
earTag	earTag
pageNum	pageNum
pageSize	pageSize

请求参数:

参数名	必选	请求类型	类型	说明
earTag	是	path	string	耳标号
pageNum	是	query	integer(int32)	多少页
pageSize	是	query	integer(int32)	多少条

成功响应示例:


```
{
    "code": 0,
    "data": {
        "current": 0,
        "hitCount": true,
        "pages": 0,
        "records": [
            {
                "backfat": 0,
                "bodyFeature": "",
                "expectedAge": "",
                "expectedAgeName": "",
                "feedAverageCapacity": 0,
                "feedAverageWater": 0,
                "feedCapacity": 0,
                "feedDate": "",
                "feedDateOne": "",
                "feedWater": 0,
                "feedWaterRatio": "",
                "fmFeedType": 0,
                "fmFeedTypeName": "",
                "litterNum": 0,
                "parity": 0,
                "pigNumOne": 0,
                "planFeedCapacity": 0,
                "totalAge": 0,
                "transferAge": 0,
                "typeNames": ""
            }
        ],
```

```
            "searchCount": true,
            "size": 0,
            "total": 0
        },
        "message": ""
}
```


6.5 导出猪只饲喂统计列表

请求数据类型 application/json

请求方式：POST

请求 URL： http://xxxxxxxx:xx /feed/api /api/v1/data/exportRecordInfo

Header

header	必选	类型	说明
AuthorizationF	是	string	无

请求示例：


```
{
    "areaId": "1017517",
    "startDate": "2023-09-15",
    "endDate": "2023-09-21",
    "earTag": "",
    "lsId": "10278",
    "flag": 1
}
```


请求参数:

参数名	必选	请求类型	类型	说明
areaId	是	body	string	区域 id
endDate	是	body	string(date-time)	结束日期
flag	是	body	Int	标志（0,1）
startDate	是	body	string(date-time)	开始日期
earTag	否	body	string	耳标号
lsId	是	body	string	栏舍 id

成功响应示例:

导出一个 excel 表格数据

6.6 导出猪只详情列表

请求数据类型 application/json

请求方式: GET

请求 URL: http://xxxxxxxx:xx /feed/api /api/v1/data/exportPigInfosTwo /{earTag}

Header

header	必选	类型	说明
AuthorizationF	是	string	无

请求示例:

请求参数

参数名称	参数说明	请求类型	是否必须	数据类型	schema
earTag	earTag	path	true	string	

请求参数:

参数名	必选	请求类型	类型	说明
earTag	否	body	string	耳标号

成功响应示例:

导出一个 excel 表格数据

7、首页

7.1 查询日常事务提醒事项

请求数据类型 application/json

请求方式: POST

请求 URL： http://xxxxxxxx:xx /feed/api /home/reminderPig

Header

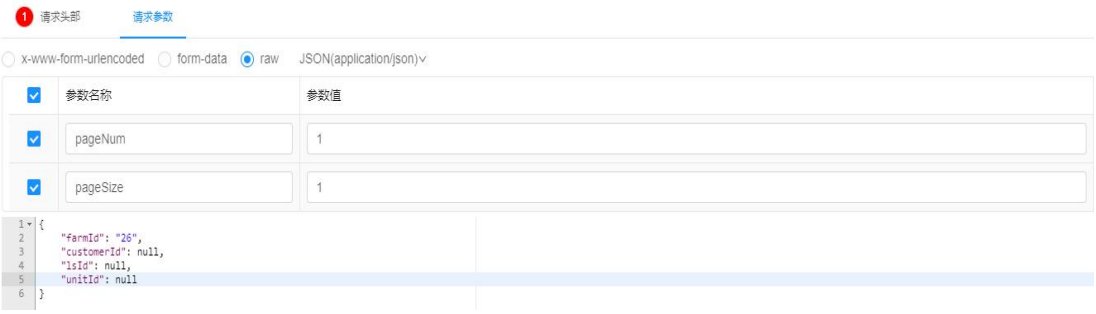
header	必选	类型	说明
AuthorizationF	是	string	无

请求示例：

```
{
    "farmId": "26",
    "customerId": null,
    "lsId": null,
    "unitId": null,
    " pageNum": 10,
    " pageSize": 1
}
```

请求参数:

参数名	必选	请求类型	类型	说明
farmId	是	body	string	猪场 id
customerId	否	body	string	客户 id
lsId	否	body	string	栏舍 id
unitId	否	body	string	单元 id
pageNum	是	query	integer(int32)	多少页
pageSize	是	query	integer(int32)	多少条



成功响应示例:

{
"code": 200,
"message": "操作成功",
"data": {
"records": [
{
"unitId": "10278",
"areaId": "1017517",
"areaNo": "串口网关",
"qrcode": null,
"pigType": null,
"unitName": "分娩",
"fenceNum": null,
"earTag": null,
"reminderInfo": "当前单元未绑定饲喂类型或饲喂类型有改动, 请前往饲喂类型下发以生效.",
"healthy": null,
"healthySm": null,
"issueStatus": null,
"issueStatusDes": null,
"ffGears": null,
"sendStatus": null,
"lopBuf": null,
"matchStatus": null,
"childbirth": null,
"expectedAge": null,
"feedDate": null,
"abnormalEatDay": null,
"pauseFlag": null,
"updateTime": "2023-09-22 01:43"
}
],
"total": 5,
"size": 1,
"current": 1,
"orders": [],
"optimizeCountSql": true,

"hitCount": false,
"countId": null,
"maxLimit": null,
"searchCount": true,
"pages": 5
}
}