

















Welcome to the ninth quarterly report from the Plant and Agricultural National Intelligence Unit (PANIU).

This report documents the latest notifiable crime data relating to thefts of plant and agricultural machinery throughout the UK during the period October to December 2010 and the national trends reported to PANIU.

PANIU is a specialist police unit that is totally funded by the major Construction and Agricultural Insurance industries and from funding directly from sales of the Construction Equipment Security and Registration Scheme (CESAR).

The primary aim of the unit is to reduce plant and agricultural theft across the United Kingdom. It does this in two ways, firstly by assisting the Roads Policing Officer and Patrol on the street enabling them to identify stolen equipment and tackle the organised criminal networks responsible for targeting thefts of such plant equipment.

Secondly, by providing the industry with direct access to a team of specialist Police officers who are committed to reducing plant theft and who understand the complexities of the respective industries.

PANIU assist Police throughout the Country by providing advice and intelligence relating to theft of plant machinery. They maintain the most accurate theft database known and receive daily data not only from the PNC but also from the majority of the major insurers in the current market.

All data is carefully checked for accuracy and cleansed. The PANIU database is the only one in the world that is considered so accurate to be circulated to both SOCA and Interpol and approved by the Home Office, ACPO and the National Police Improvement Agency (NPIA). PANIU data is held for detection and prevention of crimepurposes only and does not operate on a commercial reward basis.

The current PANIU stolen equipment database commenced in October 2008 and now comprises over 12,541 items of equipment. This data is circulated to 187 countries worldwide using the Interpol ASF network.

In a joint partnership with the Insurance companies and the official Home Office backed Construction Equipment Security and Registration Scheme, www.cesarscheme.org this PANIU data can be accessed out of normal office hours on 08450 700440.



2011

UK Leads the World in the fight against Plant and Machinery Theft!

Despite current gloomy predictions about the overall economy and the tightening of financial belts we do have some good news to report for 2011!

Throughout the World, the UK are currently being highlighted as leaders in the fight against construction and farming machinery theft. The UK is the only nation to have established Police / Industry partnerships and created security standards for machinery and plant equipment.

With the advent of the Construction and Agricultural Equipment Security and Registration Scheme (CESAR), the formation of the Police Plant and Agricultural National Intelligence Unit (PANIU), the creation of the Thatcham 5 Star Security criteria and the publishing of the Home Office Security Guidance Document for Construction and Farming machines sees this country leading the world in the fight against organised crime.

These standards have now allowed manufacturers to design secured plant equipment protected with unique keys, immobilisers and CESAR vehicle identification markings.

This year sees the likes of major manufacturers such as JCB, Kubota and John Deere now offering machinery which has built-in security equipment fitted as standard. With these measures, machines are much harder to steal which will subsequently reduce theft in the long term.



DCI Will Young (right) and DC Ian Elliott from PANIU at launch of Worlds first Thatcham 3 star rated secured machine, a JCB 8018 model mini excavator at JCB World Headquarters in Rocester.



















UK Leads the World in the fight against Plant and **Machinery Theft!** (continued)

In order to learn more about these successes, October 2010 saw a contingent of senior Europol police experts from a number of EU member states including Germany, Holland, Sweden, Ireland, Spain, Greece, Portugal, Italy, Estonia and Latvia attend New Scotland Yard and JCB in London to learn about the UK projects and the measures that have been put in place.

PANIU officers will be visiting several EU partners throughout 2011 and it is hoped that these schemes will soon be adopted in those countries.



Senior European Police Officers visit New Scotland Yard to learn how the UK are tackling plant theft.



EU Specialist officers attend briefing at the JCB Academy London to learn about UK plant security standards and the Partnership approach.

PANIU Successes encourage more insurers to join the Partnership

In October 2010 at New Scotland Yard, a special seminar was held for the major partners involved in the creation of PANIU. It was announced by Detective Superintendent Matt Horne from the Specialist Crime Directorate that three further insurance companies had joined the Partnership. QBE Insurance, Northern Marine Underwriters and Mitsui Sumitomo have now joined the ranks of Allianz, Aviva, HSB Engineering Insurance, NFU Mutual, RSA and Zurich.

It was also announced that working together with Police Forces around the Country over £5 million pounds worth of stolen machinery was recovered during their first two years of operating.



















PANIU POLICE Update

PANIU assist Police throughout the Country with information and intelligence relating to theft of plant machinery. It maintains the most accurate theft database known which receives data not only from all UK Police Forces and the Police National Computer (PNC) but also from the funding insurance companies.

PANIUs data can determine trends and hotspots throughout the UK. Using this information it can then highlight to those police forces and partners this information so strategies can be designed to be effective against organised criminals.

For the period October 2008 to December 2010 PANIU has directly been involved with the recovery of £5.5 million worth of stolen machinery. To date 220 items of property have been recovered with an average value of £25,000 per item.

This figure is expected to grow year on year as the unit becomes even more integrated with national Police systems and the units profile is continually raised amongst officers throughout the country.

A large number of criminal proceedings and investigations are continuing by the PANIU officers. These current operations involve enquiries with a number of foreign police forces including Ireland, Poland, Greece, the UAE, Cyprus and Turkey.



Home Office

















Plant & Agricultural National Intelligence Unit

Current Theft Intelligence

The unusually bitter winter we are experiencing has at least had some positive benefits in relation to insurance claims for thefts of machinery. Helped by a long Festive break and site shutdowns, the snows brought many areas of the UK to a standstill and it also appears to have a positive effect in reducing equipment theft.

All types of plant and machinery equipment have seen a significant reduction in numbers of machines being stolen. When compared to the previous quarter (July- Sept 2010) overall thefts are significantly down from 1143 thefts to 935 this quarter.

When compared using the same time frame period last year, Oct-Dec 09, there were 1020 thefts to our current figure of 935 thefts for period Oct-Dec 10, and shows the benefit that snow has in fighting crime!

Even tractors have shown a reduction this quarter but not as proportionately as construction equipment. This quarter the UK still lost 100 tractors compared to 136 in the last quarter and 113 for the same period last year.

With regards to the most stolen makes table, the top three remain unchanged between JCB, Kubota and John Deere. Of interest is the rise of Volvo higher in the top ten. Each quarterly report has seen a steady rise of Volvo products from ninth position in Oct-Dec 2009 to fifth place one year

Regional theft areas remain unchanged with the south east sector still the highest. What these tables do show is just how random plant and machinery theft is highlighting that plant thieves are proactive throughout the entire country.

OCT-DEC 2010					
RANK	PLANT TYPE	TOT	%		
1	MINI EXCAVATORS	152			
2	GENERATORS	103			
3	ATTACHMENTS	101			
4	TRACTORS	100			
5	TELEHANDLERS	89			
6	DUMPERS	46			
7	ROLLER	42			
8	EXCAVATOR	39			
9	BACKHOE EX	29			
10	COMPRESSOR	21			
	OTHERS	213	23%		
	TOTAL	935	100%		

RANK	OCT-DEC 2010 MANUFACTURER	-	%
1	JCB		,,,
	7	150	
2	KUBOTA	55	
3	JOHN DEERE	39	
4	BOMAG	34	
5	VOLVO	31	
6	TAKEUCHI	29	
7	CATERPILLAR	27	
8	MASSEY FERGUSON	25	
9	BENFORD/TEREX	25	
10	NEW HOLLAND	22	
	OTHERS	498	52%
	TOTAL	935	100%

OCT-DEC 2010				
REGIONAL CLUSTER	TOT	%		
SOUTH EAST	289			
EAST MIDS & ANGLIA	124			
NORTH WEST	113			
SOUTH WEST	106			
YORKSHIRE & NE	95			
MIDLANDS	81			
SCOTLAND & NI	81			
BTP & MOD	23			
WALES	16			
TOTAL	928	100%		

Quad Bike Thefts

One item which is causing concern however relates to the theft of Quad / Utility vehicles (ATVs). This quarter we have seen 229 reported stolen quad bikes. This number is very high compared with the theft of construction machines and tractors and would make Quad bikes the most stolen product by type.

However Quads have not been placed on the 'Most Stolen' listings yet due to the difficulties PANIU has with differentiating between quads used as sports activity vehicles and those quads used as utility and farm vehicles.

PANIU has now started a closer investigation into Quad bike thefts.



Of the 229 stolen 30 of these related to Honda TRX 420 & 500 models

OCT-DEC 2010				
QUAD MAKES	TOT	%		
HONDA	100			
KAWASAKI	19			
YAMAHA	43			
OTHERS	67			
TOTAL	229	100%		

















Operational INTELLIGENCE

Demand for equipment, was highlighted in the last quarterly report, with markets specifically in Eastern Europe and Southern Ireland particularly high. The thefts to supply this demand are highly organised and equipment is often overseas within hours of theft.

These crimes are not opportunistic but carefully planned. These criminal networks appear to meticulously plan attack methods, escape routes and potential loading places whereby stolen equipment is loaded into LGV's.

During a 30 hour period in November 2010 four Polish registered LGV's were stopped independently by Police en route to Dover.

In each case, when the vehicle was searched, it was found to contain stolen plant equipment that had been stolen just hours earlier from UK farms and construction sites.



A close call! PANIU officers caught up with this Polish LGV just as it was about to load on a Cross channel ferry at Dover.



Inside it was laden with salvage vehicles 3 stolen compressors an industrial welding generator, a ride on mower and parts from stolen VW vehicle.







Note the hitchlock still in place... Unfortunately these items are easily stolen using hiab type cranes. By securing the compressor with a chain to street furniture or other plant machinery may have prevented this theft.

















This Polish Haulier was found in Colindale North London shortly after loading a stolen JCB 535 en route to the Channel Ports



Both CESAR plates were defaced and you can see considerabe effort was needed to remove the overt markings



Another Polish Lorry.. Same day! November 2010 stopped en route to Dover at Clackett Lane Services M25 in an double operation involving PANIU and Surrey Constabulary. Volvo Excavator stolen hours earlier stopped less than an hour from the Ferry!



30 hours! 4th Polish lorry stopped by PANIU and Essex officers en route to Dover containing two Cat Telehandlers obtained by fraudulent hire... Photo shows the repatriation of the telehandlers back to Hewden.

In all the above cases the machines were loaded within hours of theft to be shipped to Poland. The difficulties for Police are that once stolen and loaded, the lorry just becomes another road freight logistic on the motorway network. With upwards of 7000 lorry movements out of Dover each day early theft reporting is imperative. If these machines were fitted with unique keys, Thatcham P2 immobilisers and after theft vehicle tracking systems the theft rate would be lower and the recovery rate would be far higher.

Southern Ireland has also become a recovery hotspot for PANIU. In December 2010, PANIU assisted and provided intelligence in a joint operation with the Garda who raided a plant yard in Balscadden, Co Dublin. Thirteen stolen machines with a value estimated at £700,000 were recovered, including 5 JCB telehandlers, 3 John Deere tractors, 2 Cat telehandlers, 1 Fendt tractor, 1 Case tractor and a number of other machines.

The tractors had been stolen in Hampshire area and the telehandlers had been stolen from the Leicester area.

PANIU continue to attempt to disrupt this trade by frequent joint operations with the Ports and local police stopping and checking outbound freight. In November 150 foreign registered lorries were searched entering the ferry terminal. Significant intelligence was gathered regarding haulier movements.





















During a two week period in early November 2010, at least 21 forces took part in Operation Crassus, focusing on stolen plant and equipment. The operation also involved the Vehicle and Operator Services Agency (VOSA), Her Majesty's Revenue & Customs (HMR&C) and the Environment Agency. Nearly 2150 vehicles were checked and 30% were found to be committing offences, whether they were maintenance, drivers' hours or carrying stolen plant.

Nearly £415,000 worth of plant was recovered from telehandlers to JCBs, tractors and generators all over the UK. There were 47 arrests half of which were for crime either handling stolen property or theft.

Chief Superintedent Geraint Anwyl (North Wales Chair of the National Roads Policing Intelligence Forum) said "This operation shows the real benefit of partnership working. Plant theft is an enormous problem in the UK which can lead to serious financial consequences for industry during what is already a difficult time".

Training

During the last quarter PANIU has continued to run training events. A special conference was held for rural crime teams in Hertfordshire where a concerted effort has been made to reduce thefts from farming communities.

The Port of Dover has had several days training in order to make officers there aware of the potential volume of stolen plant equipment leaving that port. An effort has been made to train as many operational staff as possible.

In November, a two day National Police Conference was held to discuss the data held by the Police National Computer and its accuracy. PANIU was invited to give a presentation on the impact of CESAR and PANIU and to train Police PNC operators of the secure systems. The overall benefit of this conference was to assist the police officer in the street to more accurate and reliable data and the benefits of contacting CESAR 24 hours a day to identify stolen plant equipment.

Other proactive training took place in London, Surrey and Thames Valley.

Insurance companies or Police Forces who see the potential benefit of internal staff training relating to PANIU, CESAR and the 5 star security ratings awareness are invited to contact PANIU on 0207 230 7290 to discuss requirements.

CESAR Successes

CESAR Plant Identification - In 2007, PANIU officers recognised the need for a National Plant Equipment identification scheme which would allow police officers to easily identify all types of plant equipment without the need for specialist vehicle examination knowledge or skills. A partnership with both the Construction and Farming industries led to the the Construction Equipment Security and Registration (CESAR) scheme being launched by the Construction and Equipment Association (CEA) on behalf of the entire Industry. Datatag, the system provider, won an extensive tender process and is now seen as the official recognised Home Office and ACPO datahandler. The scheme, purposely designed to aid the Roads Policing Officer with an easy identification and recognition for equipment, combines a triangular tamperproof CESAR registration plate and other layers of identification technology, is linked to a 24/7 secure and accredited database. It has now been adopted by the Agricultural Engineers Association (AEA) and is now starting to appear as standard fitment on farm machinery as well. Over 40,000 items of plant machinery have now been registered. Recovery of CESAR marked products has increased to over 30% from the previous recovery rate of 5% for non marked equipment.

The Official CESAR Scheme

Between1st October 2008 and 1st January 2011 PANIU has recorded 12541 thefts on the PANIU database. Of these 12541 machines currently 1015 machines were subsequently recovered by police, giving an overall recovery rate of 8% nationally.

During the same two year period 286 of those machines stolen were marked with the CESAR scheme. Eighty nine (89) of these were subsequently recovered by Police, giving an 31.1% recovery rate for CESAR marked equipment.

To get a true recovery rate for non-marked machinery the subtraction of the 89 CESAR recoveries from the 1015 machines recovered in total gives a figure of 926 machines recovered from the overall total theft number of 12541. Therefore non marked machinery has a recovery rate of 7.3% or 7.5% if you choose to remove all CESAR marked items from the overall theft figures.

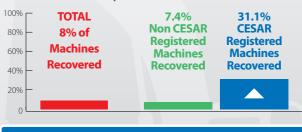
Full details of the scheme can be accessed using the link www.cesarscheme.org.

Equipment Stolen in 2 Yrs, 3 Months 1st Oct 2008 - 1st Jan 2011



43:1* for every CESAR registered machine stolen on average, 43 non CESAR registered machines have been stolen so far. (*approx figures A fraction of all the machines stolen in the above 2 year, 3 month period are CESAR registered - ONLY 2.28%

Recoveries in 2 Yrs, 3 Months 1st Oct 2008 - 1st Jan 2011



CESAR - ACTING AS ONE OF THE MOST POWERFUL THEFT DETERRENTS





www.datatag.co.uk



















Plant & Agricultural National Intelligence Unit

CESAR GROWS ITS PRODUCT RANGE AT LAMMA

Hot on the heels of a record year CESAR heads to LAMMA set to announce a new 'compact CESAR' for smaller equipment. With over 40,000 CESAR registered machines working in construction and agriculture the scheme is the largest, and most successful, of its type anywhere in the world.

In 2010 over 15,000 machines were supplied fitted with CESAR, the best year ever for the scheme. And in Agriculture the increase in fitment to both new machines and in the aftermarket was marked. Adam Henson, of the popular BBC programme Countryfile, was one of the many farmers to invest in CESAR in the year. Adam was shown on the programme, which regularly attracts over 6 million viewers, having CESAR fitted to his tractors as a powerful deterrent against theft.

The physical constraints of smaller pieces of agricultural equipment, including ATV's, generators, mowers, and power packs, have made fitting CESAR difficult but now a solution is available in 'compact' CESAR. Utilising the same multi-layered approach as the full CESAR kit this new product uses, firstly, a single robust triangular registration plate that is securely bolted to the equipment. Secondly, a number of RFID transponders, each the size of a grain of rice, are hidden in the equipment each with its own unique programmed code. Thirdly, the equipment has patches of unique Datatag forensic liquid DNA painted on to it in a number of locations. The liquid DNA has microscopic Datatdots® suspended in it which are invisible to the eye. It's literally impossible for thieves to remove all the tell-tale identification traces from CESAR registered equipment. Fourthly, all relevant information is recorded on the secure CESAR database for the lifetime of the machine. This gives the police and other official agencies 24/7 access to the registration information, which is an important aid in identification and recovery.



To read the full articles go to: http://www.cesarscheme.org/News.html

CESAR BREAK THE 40,000 BARRIER WITH HANIX MINI

The 40,000th CESAR registered machine, a Hanix H55DR mini-excavator, was delivered to its new owner as part of an order for 4 identical machines in December by Oswald Record Plant Sales of Birmingham. The Hanix customer, Michael McKenna Plant Hire, operates from a rural base near Oswestry in Shropshire and runs a wide ranging fleet of equipment including tracked excavators, backhoe-loaders, and mini-excavators used in civil engineering, land drainage, and landscaping.



VALTRA JOIN CESAR IN 2011

Finnish based Valtra is the latest leading brand to announce that it is to fit CESAR security and registration to its tractors sold in the UK. Valtra, part of the AGCO group, is the leading tractor manufacturer in the Nordic countries. Valtra can trace its roots back to 1832. Today's Valtra tractors represent the culmination of two traditions: Finland's Valmet and Sweden's Volvo BM.

Setting themselves apart from their competitors modern Valtra tractors are individually made to order with each one being 'custom built' to meet the requirements of the customer. In co-operation with their authorised Valtra dealer, customers configure a tractor that exactly matches their needs. Valtra sell a wide range of tractors in 4 product groups (S, T, N and A series) ranging from 74 to 370 hp. CESAR will be introduced during the first quarter of 2011.



To read the full articles go to: http://www.cesarscheme.org/News.html



















Decoy Sting Deployment Vehicles

PANIU maintain a fleet of covert decoy'sting' vehicles for proactive operations nationally, at no cost to individual Police forces. The success rate continues with the equipment being stolen sometimes within hours of deployment. In the last 12 operations the covertly monitored equipment has been stolen 11 times.

All of the PANIU sting vehicles are currently out on deployment around crime hotspots in the UK.

A John Deere tractor will shortly be added to the PANIU sting vehicle fleet for deployment over the coming Spring months to Forces who suffer agricultural thefts.

Because of the demand for such equipment from police forces around the country PANIU appeal to any manufacturer, insurer, salvage agent etc or police force for any equipment to be loaned for such purposes. We are looking to source mini excavators, small rollers, compressors, lighting towers, horseboxes and utility quad bikes to supply demand from Constabularies. So before any equipment is disposed of please could consideration be given for loans for sting operations.

Please contact DC Antonia Holt on 07825 010 021 e-mail antonia.holt@met.pnn.police.uk for further information.

Unusual or notable thefts

We have had a number of crushing machines stolen in the last quarter. From large ones to mini ones. In October 2010 an Extec C12 was stolen from Thames Valley and in November another Extec C12 was stolen from Leicestershire. As can be seen from the photo below these are not small and easily hidden!

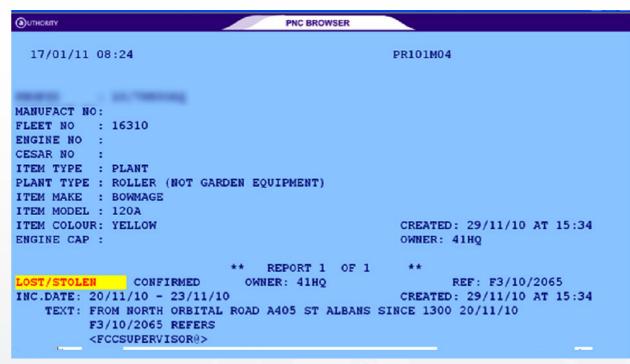




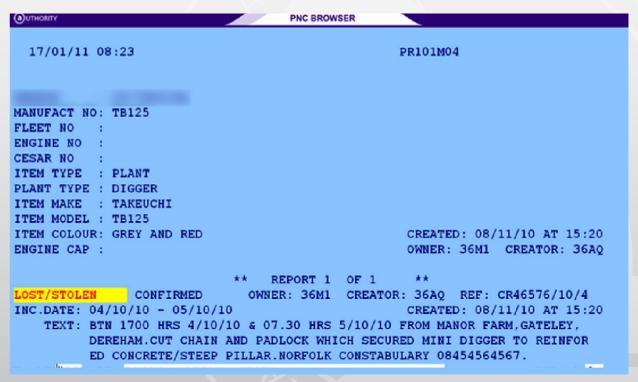
In November a baby crusher, a Red Rhino 5020 was stolen from Warwickshire. Any sightings or information to PANIU please on 0207 230 7290.

Spot the mistake Police Reports?

The following are genuine police reports from the last quarter... prior to correction by PANIU.



Note the make.... BOWMAGE instead of Bomag



Top marks for spelling of Takeuchi as most get it wrong but note the manufacturers number and the item model!























PROTECT YOUR EQUIPMENT NOW!

Call 08 450 700 440 | www.cesarscheme.org



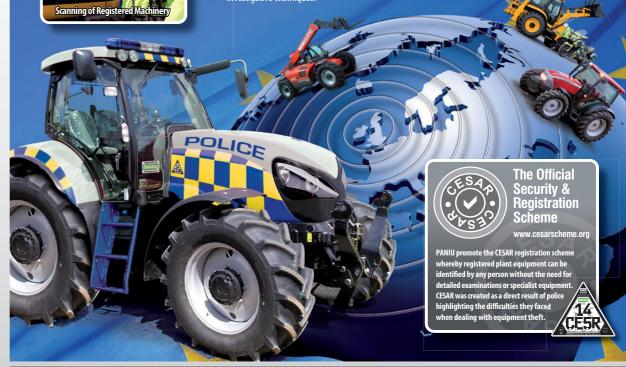
STOP PLANT THEFT

If you have any information on the theft of machinery or require advice, then contact: **Plant & Agricultural National Intelligence Unit**



Did you know...

- The Plant and Agricultural National Intelligence Unit is a specialist Police Unit whose remit is to assist Police
 and other law enforcement agencies with the identification of stolen plant or agricultural machinery.
- We offer support and advice to help you identify any type of plant or agricultural machine.
- We maintain the most accurate police database of all stolen machines throughout the UK.
- We record all national theft data and have access to the PNC and the majority of plant insurers and
- We offer advice, intelligence and statistical information regarding organised criminal networks working
- We can provide suitable 'sting' vehicles including tractors and excavators at nil cost.
- We provide specialist police examiners for pre planned operations.
- We provide training and advice to officers around identification and





You can contact PANIU during office hours by ringing 0207 230 7290

by Police by ringing CESAR on **08 450 700 440** 24 hours a day!

PANIU is staffed by Police Officers there to help You!





Plant Theft - The Real Truth

PANIU is a specialist police unit dedicated to reducing plant theft in association with:

Supported by Home Office















Agricultural Engineers Association



Construction Plant









Plant Theft Action Group

It would not have been possible without the assistance and funding help specifically from:







HSB Engineering Insurance Limited

















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